

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
ENVIRONMENTAL IMPACT  
STATEMENT  
PREPARED BY  
THE BUREAU OF LAND MANAGEMENT



#5509197

TD  
195  
.P4  
G854  
1980  
v.2



PROPOSED 1980 OUTER CONTINENTAL SHELF  
OIL AND GAS LEASE SALES A62 AND 62

GULF OF MEXICO  
VISUALS

BLM Library  
Denver Federal Center  
Bldg. 50, OC-521  
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Denver, CO 80225

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195  
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G854  
1980  
v.2







UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO

VISUAL NO. 1

LEASE STATUS

COUNTY BOUNDARIES

ACTIVE LEASES

EXPIRED LEASES

PROPOSED TRACTS FOR LEASING SALE 58

PROPOSED TRACTS FOR LEASING SALE 58A

PROPOSED TRACTS FOR LEASING SALES A62 AND 62

WATER DEPTH (METERS)

URBAN AREAS: 25,000 OR GREATER

FAIRWAYS AND ANCHORAGE AREAS

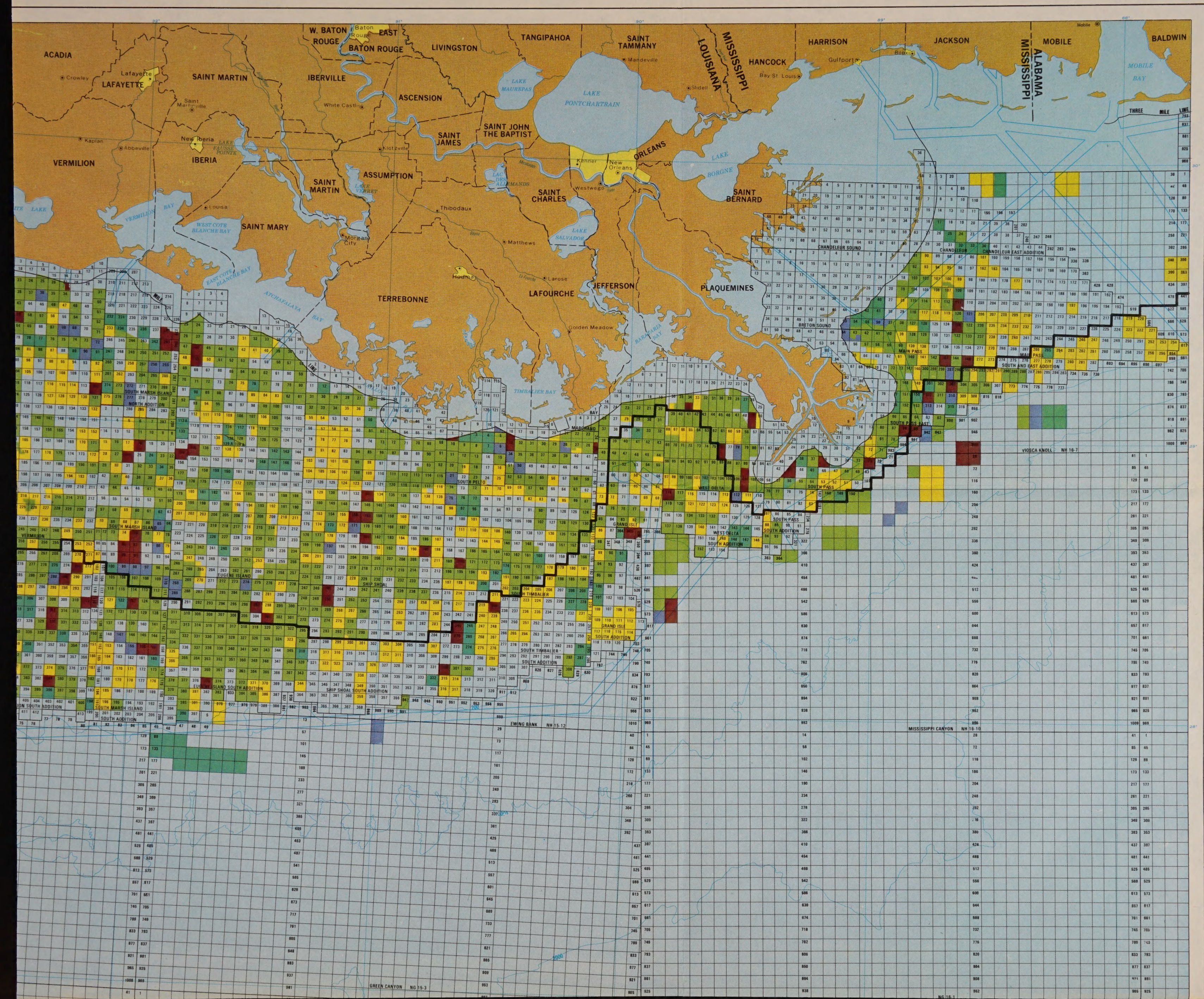
CULTURAL RESOURCE SENSITIVITY  
DEMARICATION (YES-NO)

STATUTE MILES 0 10 20 30 40 50 SCALE 1:1,000,000 (APPROX.)

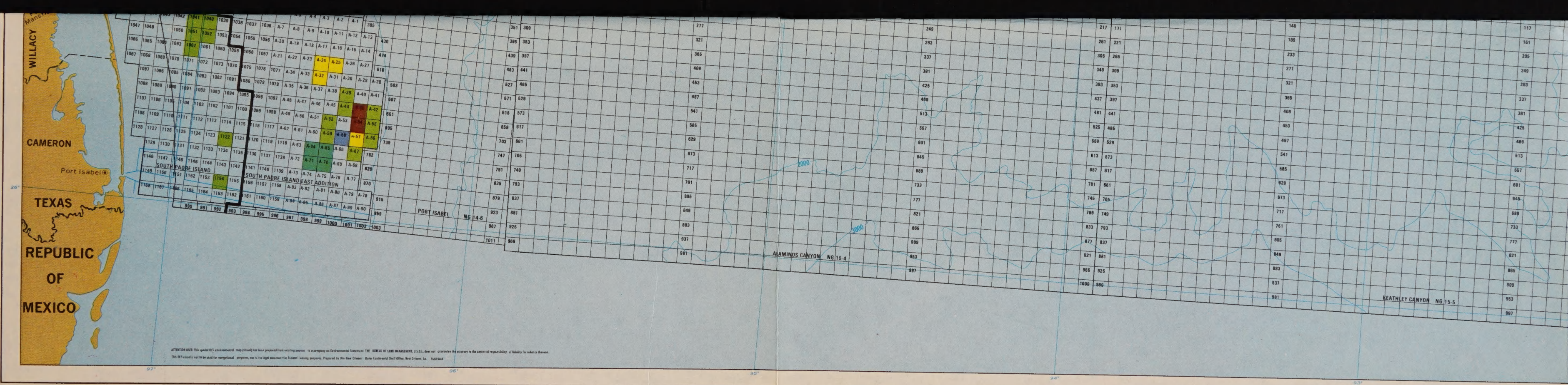
Prepared in Conjunction With Proposed OCS Lease Sale



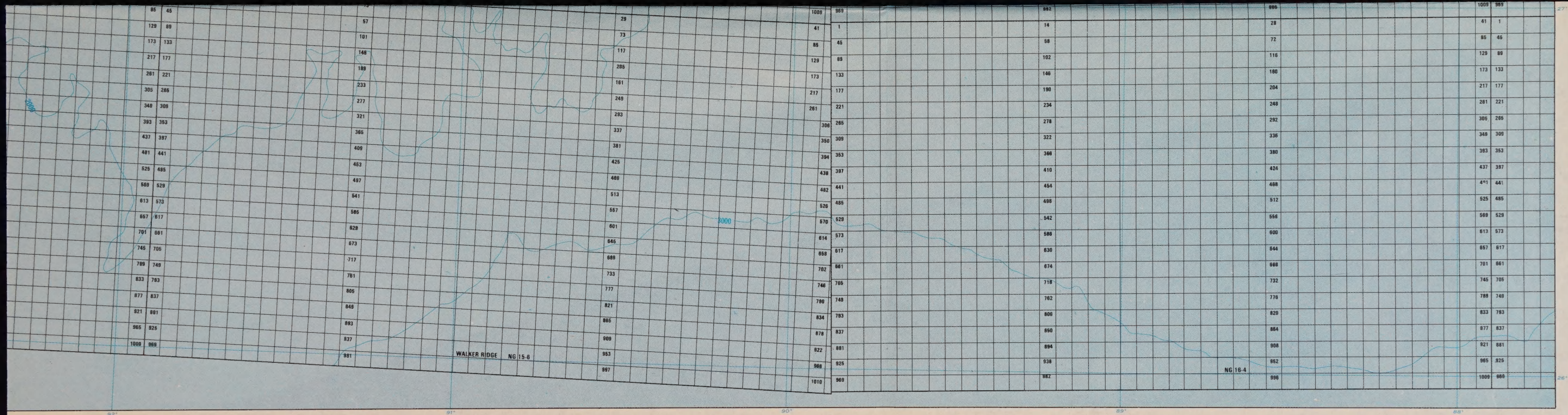


















VISUAL NO. 2

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO

GEOLOGIC AND GEOMORPHIC FEATURES

COUNTY BOUNDARIES

80 WATER DEPTH (METERS)

QUATERNARY	SLOPE		SHELF		COASTAL		UPLANDS	
	Qsw	Qmc	Qsi	Qsi	Qsi	Qsi	Qsi	Qsi
HOLOCENE	SIGSBEE WEDGE	MISSISSIPPI FAN	MARSHES, SWAMPY BAYS, LAKES AND COASTAL DEPOSITS	SHORE	CHENIERS	MODERN RIVERINE	LA FOURCHE LEVEE	TECHE LEVEE
PLEISTOCENE	Qam	Qsp	Qam	Qsp	Qam	Qsp	Qam	Qsp
PLIOCENE								
MIocene								
PLIOCENE								
MIocene								
OLIGOCENE								
CRETACEOUS								

SOUTH TEXAS HARD BANKS  
HYPERHALINE BASIN  
SALT DOME AREAS  
SHALE DIAPIR AREAS

SOURCES:

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS, 1972. TECTONIC MAP OF GULF COAST REGION.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS, 1970. BATHYMETRIC MAP, NORTHERN GULF OF MEXICO.

BICKER, ALVIN R., JR. GEOLOGIC MAP OF MISSISSIPPI.

BUSCH, R.E. JR., W.C. WARD, H.C. SKINNER AND E.B. KEMP III, 1974. PHYSIOGRAPHIC MAP OF THE ATCHAFALAYA BASIN AND A PORTION OF THE LOWER RED RIVER VALLEY, LOUISIANA.

LAFAYETTE GEOLOGICAL SOCIETY, 1973. PRODUCTION TREND MAP.

LAFAYETTE GEOLOGICAL SOCIETY, 1973. TECTONIC MAP OF LOUISIANA.

LEBLANC, RUFUS J. 1948. GEOLOGIC MAP OF LOUISIANA, MODIFIED BY E.B. KEMP III.

REED, P.C. 1971. GEOLOGIC MAP OF BALDWIN COUNTY, ALABAMA.

RENFRO, H.B. 1973. AAPG-U.S. GEOLOGICAL HIGHWAY MAP FOR TEXAS, NO. 7. AAPG, P.O. BOX 979, TULSA, OKLAHOMA 74101.

WALLACE, W.E. 1966. FAULT AND SALT MAP OF SOUTH LOUISIANA.

STATUTE MILES 0 10 20 30 40 50 SCALE 1:1,000,000 (APPROX.)

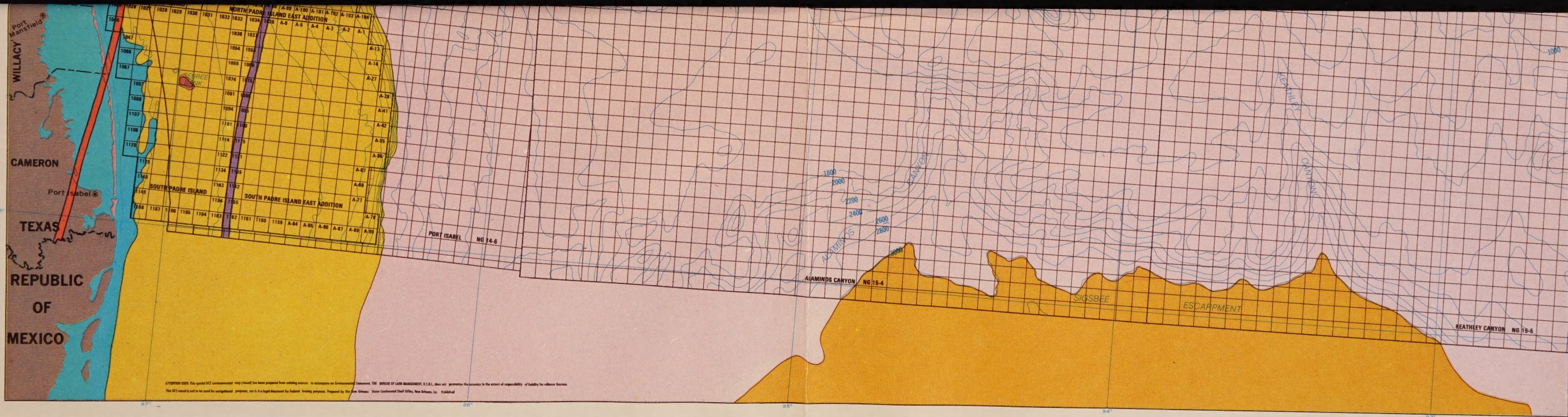
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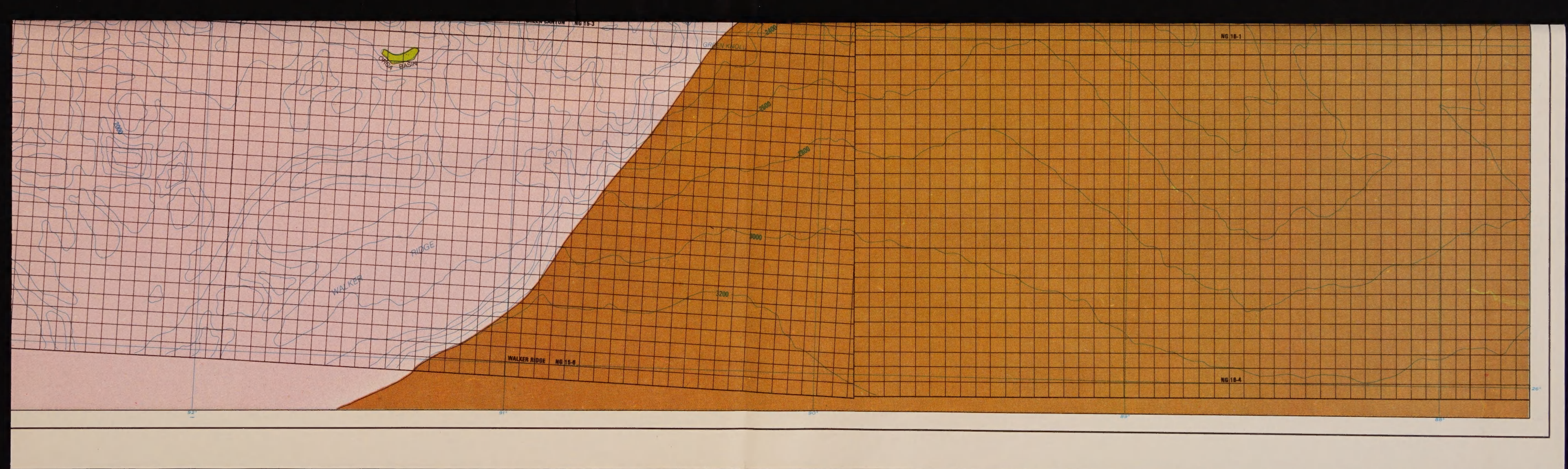






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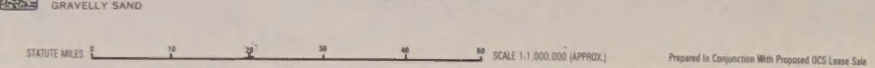
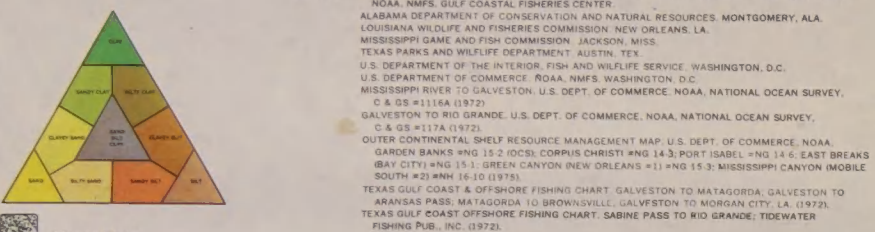
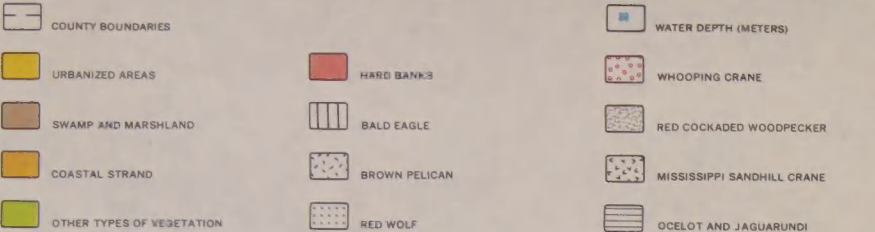




UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO

VISUAL NO. 3

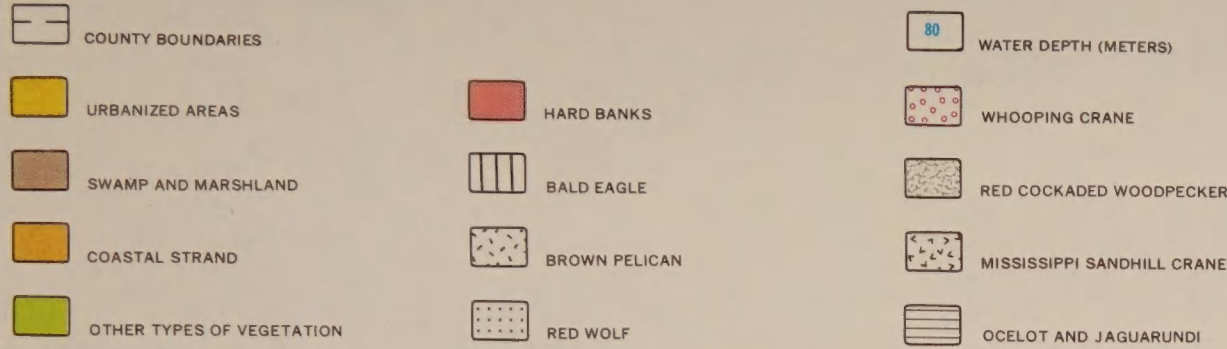
BOTTOM SEDIMENTS, VEGETATION AND ENDANGERED WILDLIFE





VISUAL NO. 3

# BOTTOM SEDIMENTS, VEGETATION AND ENDANGERED WILDLIFE



SOURCES: GRADY, J. R. 1970. CHART OF DISTRIBUTION OF SEDIMENT TYPES—NORTHERN GULF OF MEXICO. NOAA, NMFS, GULF COASTAL FISHERIES CENTER. ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES. MONTGOMERY, ALA. LOUISIANA WILDLIFE AND FISHERIES COMMISSION. NEW ORLEANS, LA. MISSISSIPPI GAME AND FISH COMMISSION. JACKSON, MISS. TEXAS PARKS AND WILDLIFE DEPARTMENT. AUSTIN, TEX. U.S. DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE. WASHINGTON, D.C. U.S. DEPARTMENT OF COMMERCE, NOAA, NMFS. WASHINGTON, D.C. MISSISSIPPI RIVER TO GALVESTON. U.S. DEPT. OF COMMERCE, NOAA, NATIONAL OCEAN SURVEY. C & GS #1116A (1972). GALVESTON TO RIO GRANDE. U.S. DEPT. OF COMMERCE, NOAA, NATIONAL OCEAN SURVEY. C & GS #117A (1972). OUTER CONTINENTAL SHELF RESOURCE MANAGEMENT MAP. U.S. DEPT. OF COMMERCE, NOAA. GARDEN BANKS #NG 15-2 (OCS); CORPUS CHRISTI #NG 14-3; PORT ISABEL #NG 14-6; EAST BREAKS (BAY CITY) #NG 15-1; GREEN CANYON (NEW ORLEANS) #NG 15-3; MISSISSIPPI CANYON (MOBILE SOUTH) #2 #NH 16-10 (1975). TEXAS GULF COAST & OFFSHORE FISHING CHART. GALVESTON TO MATAGORDA; GALVESTON TO ARANSAS PASS; MATAGORDA TO BROWNSVILLE; GALVESTON TO MORGAN CITY, LA. (1972). TEXAS GULF COAST OFFSHORE FISHING CHART. SABINE PASS TO RIO GRANDE; TIDEWATER FISHING PUB., INC. (1972).



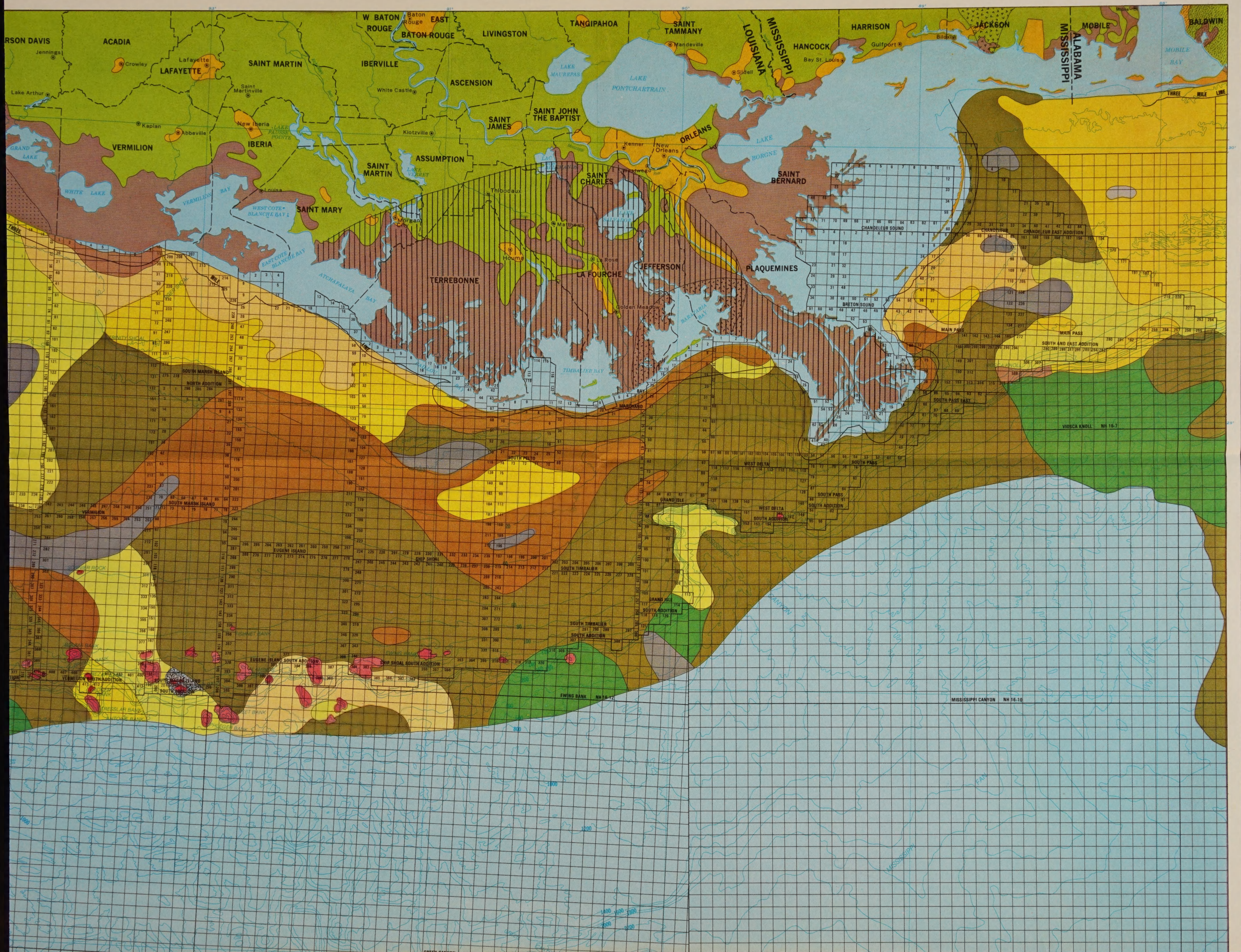
GRAVELLY SAND

STATUTE MILES 0 10 20 30 40 50 SCALE 1:1,000,000 (APPROX.)

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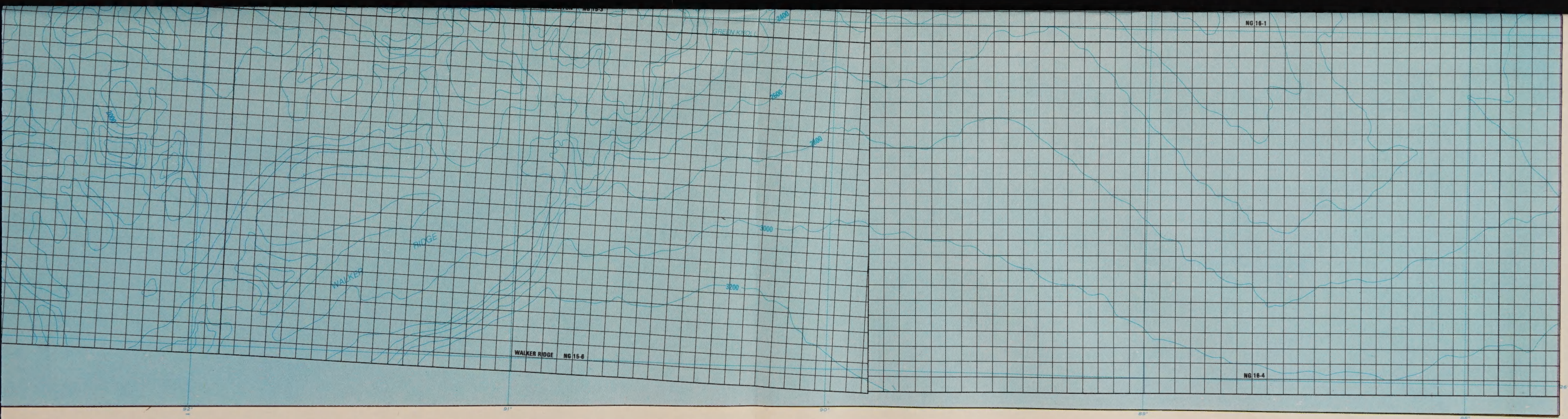






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WALKER RIDGE NG 15-3

NG 16-1

NG 16-4



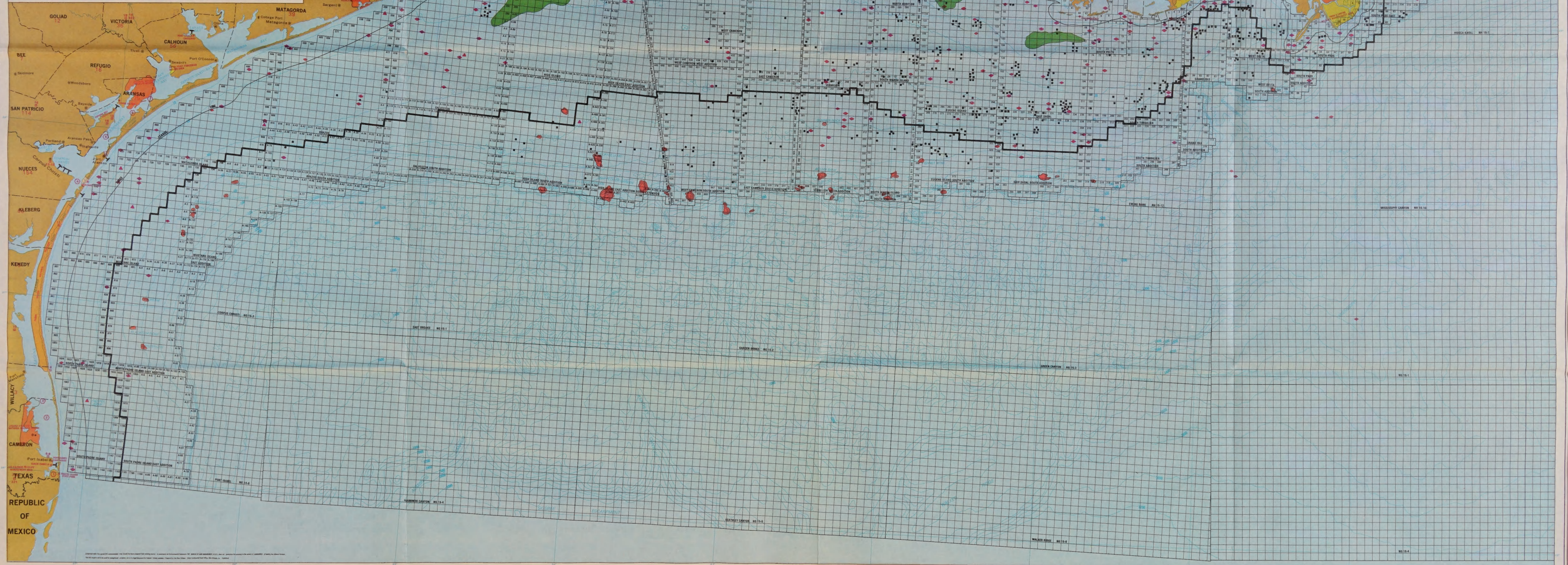
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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO

RECREATION, CULTURAL AND UNDERSEA FEATURES

COUNTY BOUNDARIES	NATIONAL WILDLIFE REFUGES	STATE WILDLIFE AREAS	UNDEVELOPED OR PROPOSED STATE PARK SYSTEM AREAS	WATER DEPTH (METERS)	MAJOR FISHING PIERS
NATIONAL PARK SYSTEM AREAS	NATIONAL WILDERNESS AREAS	REGISTERED AND PROPOSED NATIONAL NATURAL LANDMARKS	NATIONAL AUDUBON SOCIETY SANCTUARIES	ORNAMENTAL GARDENS	REMANANT COASTAL BANKS
SITES LISTED UNDER THE NATIONAL REGISTER OF HISTORIC PLACES	STATE PARK SYSTEM AREAS	NUMBER OF REPORTED ARCHAEOLOGICAL SITES PER COUNTY OR PARISH	WATERWAYS DESIGNATED OR CONSIDERED FOR WILD SCENIC OR RECREATION CLASSIFICATION	DESIGNATED OFFSHORE ARTIFICIAL FISHING REEFS	PROTECTED AREAS OF BIOLOGICAL SIGNIFICANCE
				REPORTED SHIPWRECKS	
				MARINE CULTURAL RESOURCE PROBABILITY (HIGH-LOW)	
				SELECTED PRODUCTION PLATFORMS	

NOTE: SYMBOLS WITH NUMBERS AND LETTERS ARE KEYS ON BACK OF VISUAL.

STATUTE MILES 0 1 2 3 4 5 SCALE 1:1,000,000 (APPROX.) Prepared in Conjunction With Proposed OCS Lease Sale



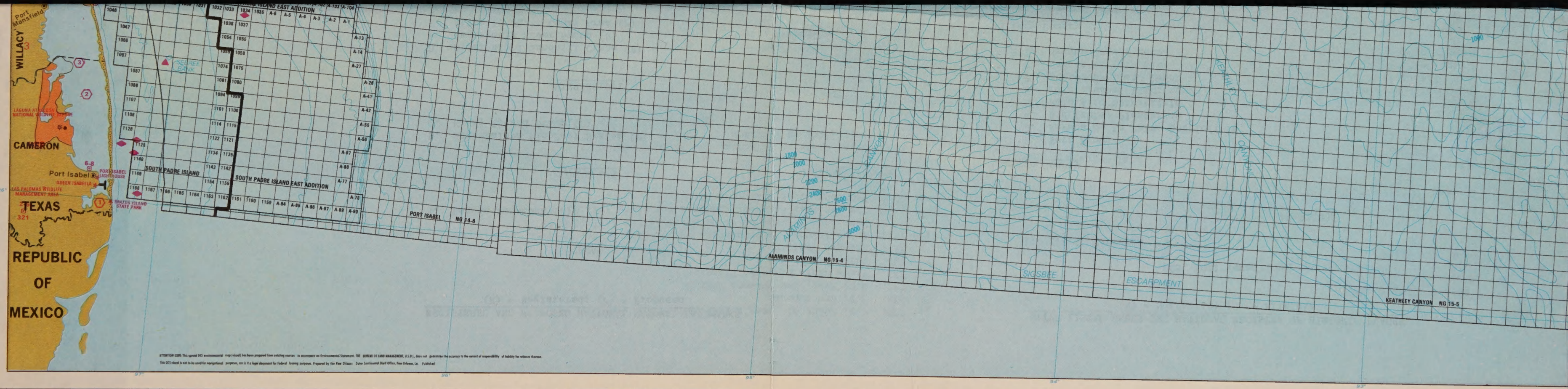






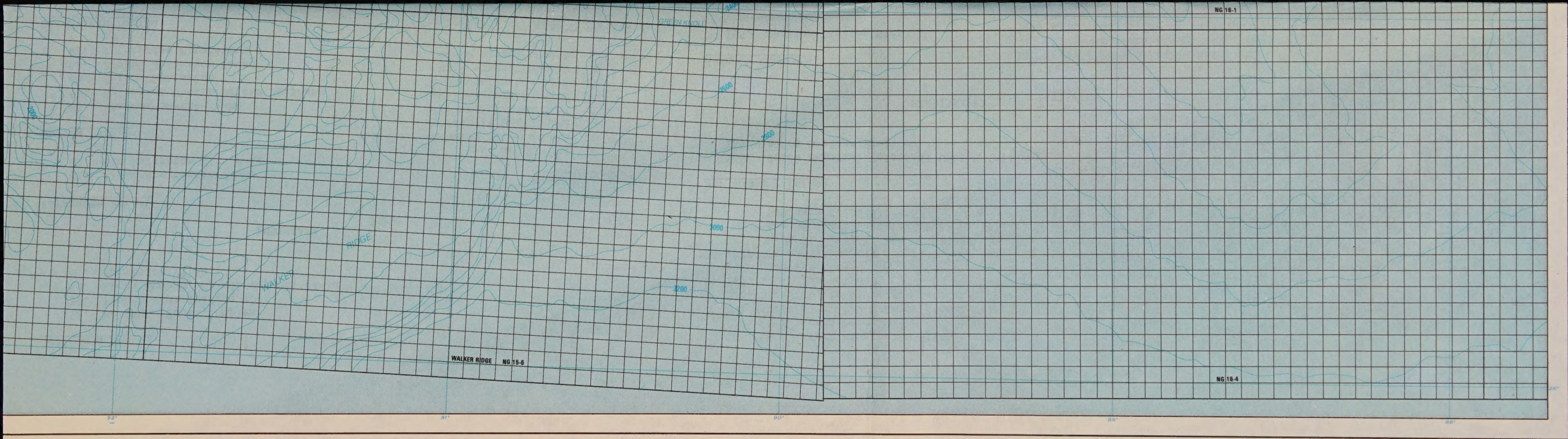






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REGISTERED AND PROPOSED NATIONAL NATURAL LANDMARKS  
(R) = Registered; (P) = Proposed

TEXAS

A. Leguna Atascosa (P)

LOUISIANA

B. Atchafalaya Floodway System (P)  
C. Honey Island Swamp (P)

MISSISSIPPI

D. Mississippi Sandhill Crane (P)  
E. Pascagoula River Swamp (P)  
F. Atlantic White Cedar Area (P)

ALABAMA

G. Mobile-Tensaw River Bottomlands (R) (off map)

NATIONAL AUDUBON SOCIETY SANCTUARIES

TEXAS

1. Three Islands - 2,287 acres
2. Green Island - 1,584 acres
3. South Bird Island - 100 acres
4. Lydia Ann and Harbor Islands - 250 acres
5. Matagorda Island - 5,720 acres
6. Second Chain of Islands - 200 acres
7. West Bay Bird and North Deer Islands - 200 acres
8. Vingt-et-une Islands - 150 acres
9. Sydney Island - 126 acres
10. Sabal Palm Grove - 172 acres

LOUISIANA

11. Rainey Wildlife Sanctuary - 26,800 acres

ALABAMA

12. Dauphin Island Sanctuary - 164 acres

SITES LISTED UNDER THE NATIONAL REGISTER OF HISTORIC PLACES  
(N) = Nominated; (E) = Eligible

OCs (Off Texas)

1. U.S.S. Hatteras

TEXAS

Cameron County

2. Fort Brown
3. Resaca De La Palma Battlefield
4. Old Brulay Plantation
5. Palo Alto Battlefield
6. Point Isabel Lighthouse
7. Brazos Santiago Depot
8. Garcia Pasture Site
321. Browne-Wagner House

Willacy County

9. Mansfield Cut Underwater Archaeological District

Kenedy County

10. King Ranch

Kleberg County

11. Dunn Ranch, Novillo Line Camp

Nueces County

12. Britton-Evans House
13. Nueces County Courthouse

San Patricio County

14. James McGloin Homestead

Aransas County

15. George W. Fulton Mansion
16. T.H. Mathis House
17. Aransas Pass Light Station

Victoria County

18. Fort St. Louis Site
19. Victoria Grist Windmill
322. Old Victoria County Courthouse

Brazoria County

20. John McCroskey Cabin
21. Ammon Underwood House

Galveston County

22. Ashbel Smith Building
23. Ashton Villa
24. Bishop's Palace
25. East End Historic District
26. Galveston Causeway
27. Grace Episcopal Church
28. Grand Opera House
29. Michel B. Menard House
30. Mosquito Fleet Berth, Pier 19
31. Old Galveston Customhouse
32. Powhatan House
33. George Sealy House
34. St. Joseph's Church
35. St. Mary's Cathedral
36. Strand Historic District
37. The McKinney-McDonald House
38. Trueheart-Adrianse Building
39. Samuel May Williams House
40. U.S. Custom House
41. Frank B. Davison House
323. Galveston Seawall
324. Garten Verein Pavilion
325. Point Bolivar Lighthouse

Harris County

42. Annunciation Church
43. Antioch Missionary Baptist Church
44. Kellum-Noble House
45. Old Houston National Bank
46. Pillot Building
47. Cleveland Harding Sewall House
48. Sweeney, Coombs & Fredericks Building
49. U.S. Customhouse
50. 1879 Houston Waterworks
51. 1884 Houston Cotton Exchange Building
52. Julia Ideson Building
53. San Jacinto Battlefield
54. U.S.S. Texas
326. Union Station

Chambers County

55. Site 41 CH 110
56. Orcoquisac Archaeological District

Liberty County

57. Site 41 LB 4

Jefferson County

58. McFaddin House Complex
59. French Home Trading Post
60. Lucas Gusher, Spindletop Oil Field
61. Pompeian Villa

LOUISIANA

Lafayette Parish

62. Alexandre Mouton House
63. Old Lafayette City Hall

Iberia Parish

64. Shadows-on-the-Teche
65. Episcopal Church of the Epiphany
66. Darby Plantation
67. Joseph Jefferson House
68. Enterprise Plantation

St. Martin Parish

69. Acadian House
70. St. Martin of Tours Catholic Church
71. U.S. Post Office
72. Site 16, SM-45 (E)
73. Oaklawn Manor

Assumption Parish

74. Madewood
75. Christ Episcopal Church and Cemetery

Terrebonne Parish

76. Southdown Plantation

St. Charles Parish

77. Destrehan Plantation
78. Homeplace Plantation House

St. John the Baptist Parish

79. Bayou Jasmine Archaeological Site
80. San Francisco Plantation House

Jefferson Parish

81. Fort Livingston
82. Camp Parapet Powder Magazine

Plaquemines Parish

83. Fort De La Boulaye
84. Fort Jackson
85. Fort St. Philip

St. Bernard Parish

86. Chalmette National Historical Park
87. Magnolia Mound (N)

Orleans Parish

88. Bank of Louisiana
89. Big Oak-Little Oak Islands
90. The Cabildo
91. George Washington Cable House
92. Confederate Memorial Hall
93. James H. Dillard House
94. Faubourg Marigny
95. French Market
96. Gallier Hall
97. Gallier House
98. The Garden District
99. General Laundry Building
100. Nicholas Girod House
101. Hermann-Grima House
102. Irish Channel Area Architectural District
103. Isaac-Williams Mansion
104. Greenville Hall
105. Jackson Barracks
106. Jackson Square
107. Lafayette Cemetery No. 1
108. Lafitte's Blacksmith Shop
109. Lecarpentier-Beauregard-Keyes House
110. Leeds Iron Foundry
111. Lower Garden District
112. Madam John's Legacy
113. Merieult House
114. Old Meat Market
115. Old Ursuline Convent
116. Perseverance Hall
117. Pitot House
118. Pontalba Buildings
119. The Presbytere
120. Jean Louis Rabassa House
121. St. Alphonsus Church
122. St. Charles Streetcar Line
123. St. Louis Cemetery No. 2
124. St. Louis Cemetery No. 1
125. St. Mary's Assumption Church
126. St. Patrick's Church
127. St. Vincent De Paul Roman Catholic Church
128. Turpin-Kofler-Buja House

129. U.S. Court of Appeals-Fifth Circuit
130. U.S. Customhouse
131. U.S. Mint, New Orleans Branch
132. Vieux Carre Historic District
133. Julia Street Row
327. Saenger Theater
- 134-162. An additional 41 properties in the City of New Orleans have been determined to be eligible for inclusion in the National Register (Federal Register, Vol. 43, No. 26, February 7, 1978).

St. Tammany Parish

163. Grace Memorial Episcopal Church (off map)
164. Abita Springs Pavilion

MISSISSIPPI

Hancock County

165. Jackson Landing Site

Harrison County

166. Beauvoir
167. Biloxi Garden Center
168. Biloxi Lighthouse
169. Gillis House
170. Magnolia House
171. Margaret Emilie
172. Teledano-Philbrick-Tullis House
173. Milner House
174. Fort Massachusetts (Ship Island)

Jackson County

175. Louisville and Nashville Railroad Depot
176. Old Spanish Fort
177. U.S.S. Cairo

ALABAMA

Mobile County (off the map)

178. Fort Louis De La Louisiane
179. Ellicott Stone
181. Barton Academy
182. Battle House Royale
183. Bragg-Mitchell House
184. Brisk & Jacobson Store
185. Carolina Hall
186. Church Street East Historic District
187. De Tonti Square Historic District
188. Fort Conde-Charlotte
189. Gates-Davis House
190. Georgia Cottage
191. Gulf, Mobile, and Ohio Passenger Terminal
192. Martin Horst House
193. Kirkbride House
194. Mobile City Hall
195. Mobile City Hospital
196. Oakleigh
197. Oakleigh Garden Historic District
198. Pincus Building
199. Bishop Portier House
200. Protestant Children's Home
201. Raphael Semmes House
202. South Lafayette Street Creole Cottage
203. Spring Hill College Quadrangle
204. St. Louis Street Missionary Baptist Church
205. U.S. Marine Hospital

Mobile County (Mobile Bay)

206. Middle Bay Light (Mobile Bay)
207. Fort Gaines (Dauphin Island)
180. Indian Mound Park (Dauphin Island)

Baldwin County (off the map)

208. Nanna Hubba Bluff
209. Blakeley
213. Montrose Historic District
214. Bottle Creek Indian Mounds
215. Fort Mims Site

Baldwin County (Mobile Bay)

210. Sand Island Light (Mobile Bay)
211. U.S.S. Tecumseh (Mobile Bay)
212. Fort Morgan (Mobile Bay)



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46. Pillot Building
47. Clevelend Harding Sewall House
48. Sweeney, Coombs & Fredericks Building
49. U.S. Customhouse
50. 1879 Houston Waterworks
51. 1884 Houston Cotton Exchange Building
52. Julia Ideson Building
53. San Jacinto Battlefield
54. U.S.S. Texas
326. Union Station

Chambers County

55. Site 41 CH 110
56. Orcoquisac Archaeological District

Liberty County

57. Site 41 LB 4



93. James H. Dillard House
94. Faubourg Marigny
95. French Market
96. Gallier Hall
97. Gallier House
98. The Garden District
99. General Laundry Building
100. Nicholas Girod House
101. Hermann-Grima House
102. Irish Channel Area Architectural District
103. Isaac-Williams Mansion
104. Greenville Hall
105. Jackson Barracks
106. Jackson Square
107. Lafayette Cemetery No. 1
108. Lafitte's Blacksmith Shop
109. Lecarpentier-Beauregard-Keyes House
110. Leeds Iron Foundry
111. Lower Garden District
112. Madam John's Legacy
113. Merieult House
114. Old Meat Market
115. Old Ursuline Convent
116. Perseverance Hall
117. Pitot House
118. Pontalba Buildings
119. The Presbytere
120. Jean Louis Rabassa House
121. St. Alphonsus Church
122. St. Charles Streetcar Line
123. St. Louis Cemetery No. 2
124. St. Louis Cemetery No. 1
125. St. Mary's Assumption Church
126. St. Patrick's Church
127. St. Vincent De Paul Roman Catholic Church
128. Turpin-Kofler-Buja House

204. St. Louis Street Missionary Baptist Church
205. U.S. Marine Hospital

Mobile County (Mobile Bay)

206. Middle Bay Light (Mobile Bay)
207. Fort Gaines (Dauphin Island)
180. Indian Mound Park (Dauphin Island)

Baldwin County (off the map)

208. Nanna Hubba Bluff
209. Blakeley
213. Montrose Historic District
214. Bottle Creek Indian Mounds
215. Fort Mims Site

Baldwin County (Mobile Bay)

210. Sand Island Light (Mobile Bay)
211. U.S.S. Tecumseh (Mobile Bay)
212. Fort Morgan (Mobile Bay)



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO

FISHERIES AND EPA DUMPING SITES

VISUAL NO. 5

COUNTY BOUNDARIES  
200 MILE FISHERY CONSERVATION ZONE  
WATER DEPTH (METERS)

WHITE SHRIMP GROUNDS  
NMF'S FISHING GRID ZONES  
CLOSED TO SHELLFISH HARVESTING

BROWN SHRIMP GROUNDS  
GENERAL INSHORE HARVEST AND ESTUARINE NURSERY AREAS  
MAJOR OYSTER GROUNDS

KNOWN WHITE SHRIMP SPAWNING AREA  
FINFISH GROUNDS  
EPA APPROVED OCEAN DUMPING SITES

ROYAL RED SHRIMP GROUNDS  
CRABFISH GROUNDS  
PROTECTED AREAS OF BIOLOGICAL SIGNIFICANCE

SOURCES: ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES, MONTGOMERY, ALA. AND MOBILE, ALA.; LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES, NEW ORLEANS, LA.; MISSISSIPPI GAME AND FISH COMMISSION, JACKSON, MISS.; TEXAS PARKS AND WILDLIFE DEPARTMENT, AUSTIN, TEX.; U.S. DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE, WASHINGTON, D.C.; U.S. DEPARTMENT OF COMMERCE, NOAA, NMF'S, WASHINGTON, D.C.; MISSISSIPPI RIVER TO GALVESTON, U.S. DEPT. OF COMMERCE, NOAA, NATIONAL OCEAN SURVEY, NOS #1135A (1972); GALVESTON TO BROWNSVILLE, U.S. DEPT. OF COMMERCE, NOAA, NATIONAL OCEAN SURVEY, NOS #1137A (1972); OUTER CONTINENTAL SHELF RESOURCE MANAGEMENT MAP, U.S. DEPT. OF COMMERCE, NOAA, GARDEN BANKS #NO 15-2 (1975); CORPUS CHRISTI #NO 14-3; POINT GALLI #NO 14-4; EAST BREAKS BAY CTD #NO 15-1; GREEN CANYON (NEW ORLEANS #11) #NO 15-3; MISSISSIPPI CANYON (MOBILE SOUTH #21) #NO 15-10; TEXAS A&M UNIVERSITY SEA GRANT PROGRAM, TEXAS GULF COAST OFFSHORE FISHING CHART, GALVESTON TO MATAGORDA; GALVESTON TO ARANSAS PASS, MATAGORDA TO BROWNSVILLE; GALVESTON TO MORRIS CITY, LA. (1972); TEXAS GULF COAST OFFSHORE FISHING CHART, SABINE PASS TO BIG GORGE; TIDEWATER FISHING PUB., INC. (1975); U.S. ENVIRONMENTAL PROTECTION AGENCY, ATLANTA, GA.

NOTES: THE DIAGRAM REPRESENTS THE PERCENTAGE COMPOSITION OF THE MOST ABUNDANT SPECIES OF THE TOTAL CATCH. THE TOTAL CATCH EXPRESSED IN TERMS OF WEIGHT, INCLUDES ALL FISH, SHELLFISH, ETC. CAPTURED WITHIN THE ZONE. THE NUMBER ABOVE THE CIRCLE IS THE MEAN CATCH IN MILLIONS OF POUNDS FOR THE YEARS 1968 THROUGH 1974.

3  
BLUE GORGON  
CHUMMIE  
KING MACKEREL  
THREED HERRING  
140.0

STATUS: MILES 0 10 20 30 40 50 60 70 80 90 100

SCALE: 1:1,000,000 (APPROX.)

Prepared in Conjunction With Proposed OCS Lease Sale





#5509197

Bureau of Land Management  
Library  
Denver Service Center

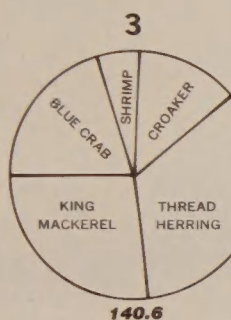
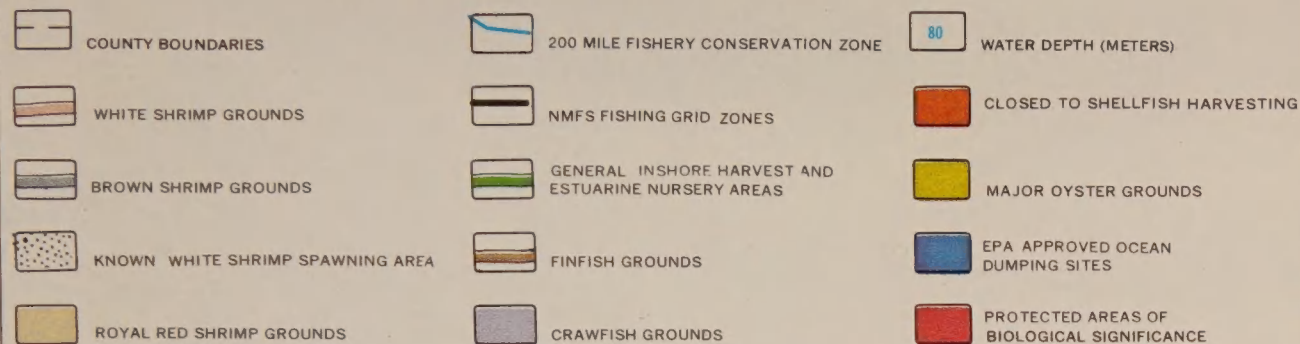
ID: 88076053

TD195.P4 G854 1980 v.2

VISUAL NO. 5

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO

FISHERIES AND EPA DUMPING SITES



NOTES:  
PIE CHART REPRESENTS THE PERCENTAGE COMPOSITION OF THE MOST ABUNDANT SPECIES OF THE TOTAL CATCH. THE TOTAL CATCH EXPRESSED IN TERMS OF WEIGHT, INCLUDES ALL FINFISH, SHELLFISH, ETC. CAPTURED WITHIN THE ZONE. THE NUMBER ABOVE THE CIRCLE IS THE GRID ZONE NUMBER, AND THE NUMBER BELOW IS THE MEAN CATCH (IN MILLIONS OF POUNDS) FOR THE YEARS 1968 THROUGH 1974.

SOURCES:  
ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES.  
MONTGOMERY, ALA. AND DAUPHIN ISLAND, ALA.  
LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES, NEW ORLEANS, LA.  
MISSISSIPPI GAME AND FISH COMMISSION, JACKSON, MISS.  
TEXAS PARKS AND WILDLIFE DEPARTMENT, AUSTIN, TEX.  
U.S. DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE, WASHINGTON, D.C.  
U.S. DEPARTMENT OF COMMERCE, NOAA, NMFS, WASHINGTON, D.C.  
MISSISSIPPI RIVER TO GALVESTON, U.S. DEPT. OF COMMERCE, NOAA, NATIONAL OCEAN SURVEY, NOS = 1116A (1972)  
GALVESTON TO RIO GRANDE, U.S. DEPT. OF COMMERCE, NOAA, NATIONAL OCEAN SURVEY, NOS = 1117A (1972)  
OUTER CONTINENTAL SHELF RESOURCE MANAGEMENT MAP, U.S. DEPT. OF COMMERCE, NOAA, GARDEN BANKS = NG 15-2 (OCS); CORPUS CHRISTI = NG 14-3; PORT ISABEL = NG 14-6; EAST BREAKS (BAY CITY) = NG 15-1; GREEN CANYON (NEW ORLEANS) = NG 15-3; MISSISSIPPI CANYON (MOBILE SOUTH) = NG 16-10 (1975)  
TEXAS A&M UNIVERSITY SEA GRANT PROGRAM  
TEXAS GULF COAST & OFFSHORE FISHING CHART, GALVESTON TO MATAGORDA; GALVESTON TO ARANSAS PASS; MATAGORDA TO BROWNSVILLE; GALVESTON TO MORGAN CITY, LA. (1972).  
TEXAS GULF COAST OFFSHORE FISHING CHART, SABINE PASS TO RIO GRANDE; TIDEWATER FISHING PUB., INC. (1972).  
U.S. ENVIRONMENTAL PROTECTION AGENCY, ATLANTA, GA.

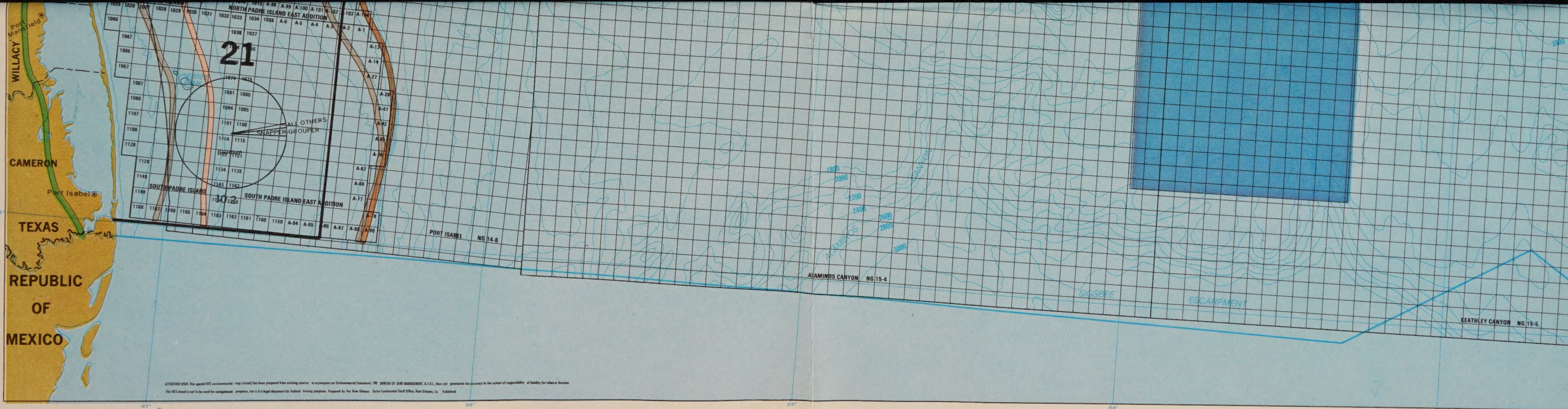
SCALE 1:1,000,000 (APPROX.) Prepared in Conjunction With Proposed OCS Lease Sale





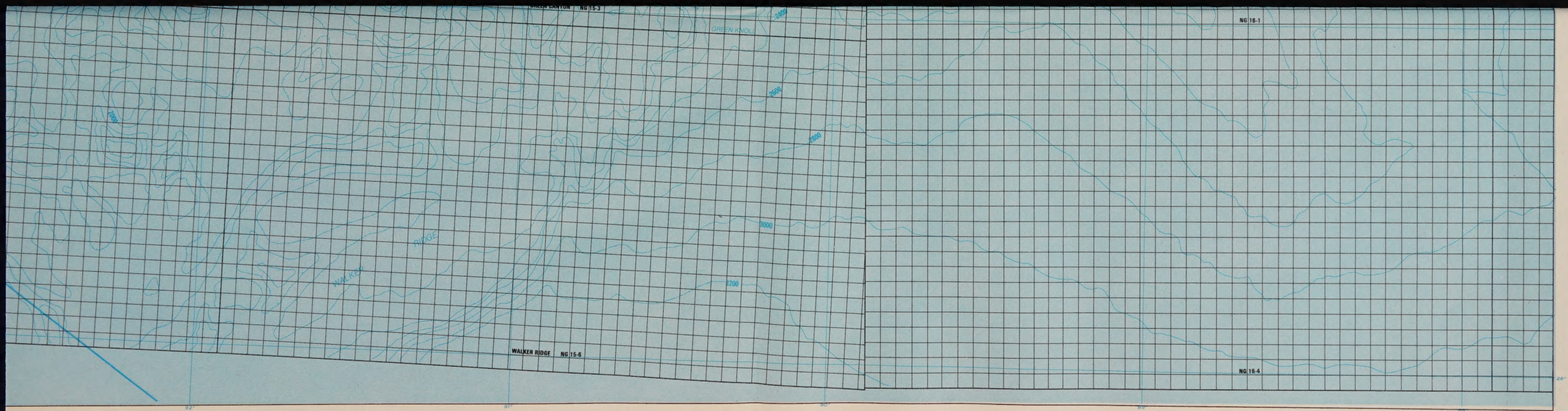






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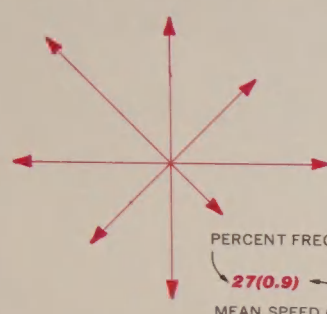
VISUAL NO. 6

 COUNTY BOUNDARIES MILITARY WARNING AREAS

80 WATER DEPTH (METERS)

ANNUAL CURRENT ROSES  
FOR 1° SQUARE

ARROW LENGTH PROPORTIONAL TO  $1'' = 20\%$   
% FREQUENCY OF CURRENT IN THAT DIRECTION



ARROWS DENOTING FREQUENCY  
>5% ARE NOT TO SCALE

ANNUAL OFFSHORE WIND  
VELOCITY ROSES

TAIL OF ARROW INDICATES DIRECTION  
FROM WHICH WIND IS BLOWING  
1" = 10% FREQUENCY (ARROW SCALE)

PERCENT FREQUENCY

4.0(10.0)

MEAN SPEED (KNOTS)

NOTES:

GENERALIZED CURRENTS

← FEBRUARY

← AUGUST

## STEADINESS

SOLID LINE DENOTES 25%-50%  
DASHED LINE DENOTES UNDER 25%

SOURCES:  
NAVAL OCEANOGRAPHIC OFFICE  
U.S. NAVAL WEATHER SERVICE COMMAND,  
MAY 1975. SUMMARY OF SYNOPTIC  
METEOROLOGICAL OBSERVATIONS.  
ENVIRONMENTAL GUIDE FOR THE U.S. GULF  
COAST. N.O.A.A., E.D.S., NATIONAL CLIMATIC  
CENTER, NOV., 1972  
ATLAS OF PILOT CHARTS. U.S. NAVAL  
OCEANOGRAPHIC OFFICE, 1969.

STATUTE MILES 0 10 20 30 40 50 SCALE 1:1,000,000 (APPROX.)

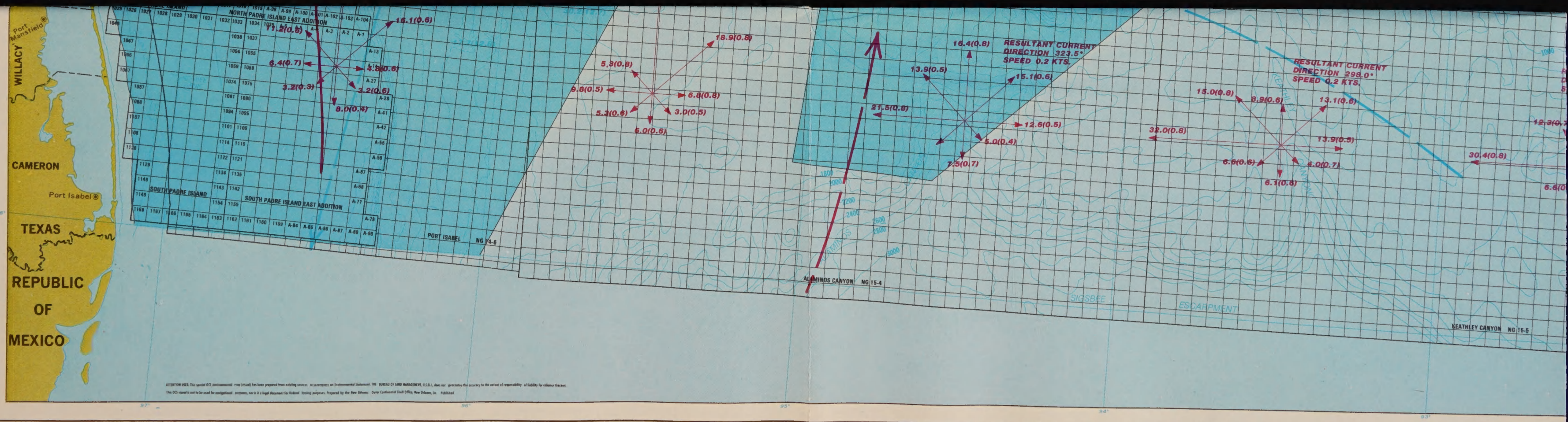
Prepared In Conjunction With Proposed OCS Lease Sale







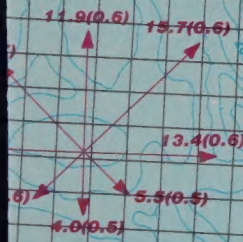




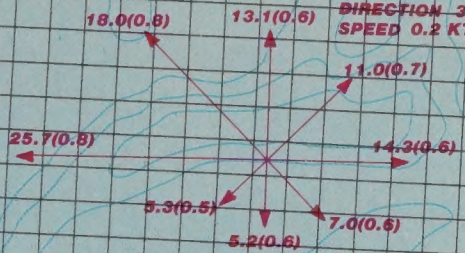
ATTENTION USER: This special OCS environmental map (actual) has been prepared from existing sources. It represents an Environmental Statement. THE BUREAU OF LAND MANAGEMENT, U.S.D.I., does not guarantee the accuracy to the extent of responsibility of liability for release thereon. This OCS report is not to be used for navigational purposes, nor is it a legal document for Federal, State, or local purposes. Prepared by the New Orleans District Office, New Orleans, La. Published.



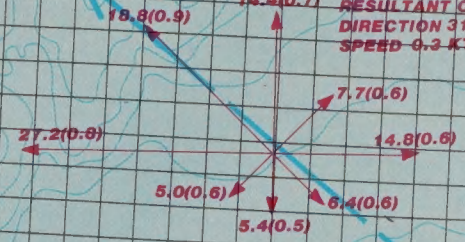
RESULTANT CURRENT  
DIRECTION 307.6°  
SPEED 0.2 KTS.



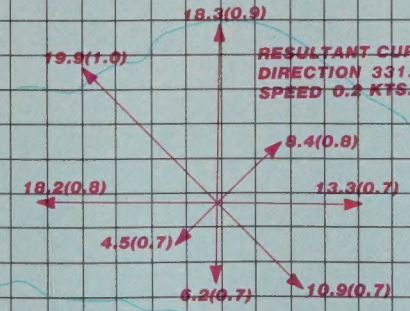
RESULTANT CURRENT  
DIRECTION 316.3°  
SPEED 0.2 KTS.



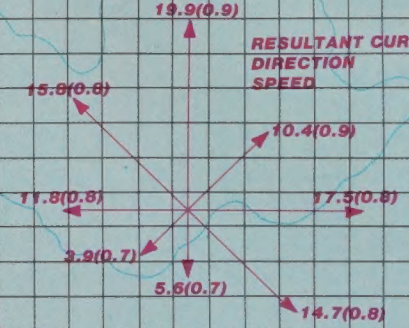
RESULTANT CURRENT  
DIRECTION 310.5°  
SPEED 0.2 KTS.



RESULTANT CURRENT  
DIRECTION 331.7°  
SPEED 0.2 KTS.



RESULTANT CURRENT  
DIRECTION  
SPEED



WALKER RIDGE NG 15-6

NG 16-4



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO

VISUAL NO. 7

INFRASTRUCTURE, ACCIDENTS AND UNDERSEA FEATURES

- |  |  |
|--|--|
| COUNTY BOUNDARIES                                  | WATER DEPTH (METERS)   |
| AIRPORT  | BLOWOUT  |
| INTERSTATE HIGHWAY                                 | EXPLOSION AND FIRE   |
| RAILROAD   | PIPELINE BREAK OR LEAK   |
| INTERCOASTAL WATERWAY                              | SIGNIFICANT POLLUTION INCIDENTS<br>(50 BARRELS (2,100 GAL.) OR MORE)                             |
| PORT   | MAJOR ACCIDENTS (FATILITY, PLATFORM<br>DESTRUCTION, OR SPILLS OVER 238<br>BARRELS (10,000 GAL.)) |
| PROPOSED DEEPWATER PORT                            | PROTECTED AREAS OF<br>BIOLOGICAL SIGNIFICANCE  |
| SAFETY FAIRWAY AND ANCHORAGE<br>FOR DEEPWATER PORT |  |

NOTE: \* INDICATES NUMBER OF FACILITIES. SITE SPECIFIC INFORMATION AVAILABLE AT THE NOCOS OFFICE.

STATUTE MILES 0 1 2 3 4 5 6 7 8 9 10

SCALE 1:1,000,000 (APPROX.)

Prepared in Cooperation With Proposed OCS Lease Sale

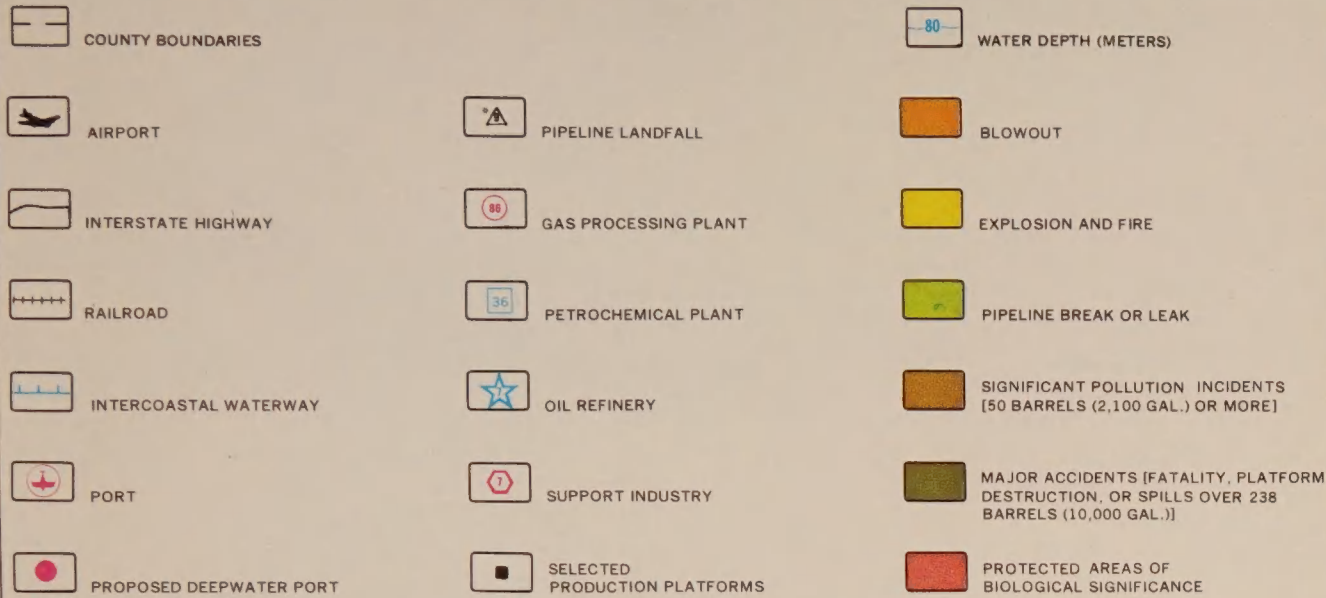




UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO

VISUAL NO. 7

INFRASTRUCTURE, ACCIDENTS AND UNDERSEA FEATURES



NOTE: \* INDICATES NUMBER OF FACILITIES. SITE SPECIFIC INFORMATION AVAILABLE AT THE NOOCS OFFICE.

STATUTE MILES 0 10 20 30 40 50 SCALE 1:1,000,000 (APPROX.)

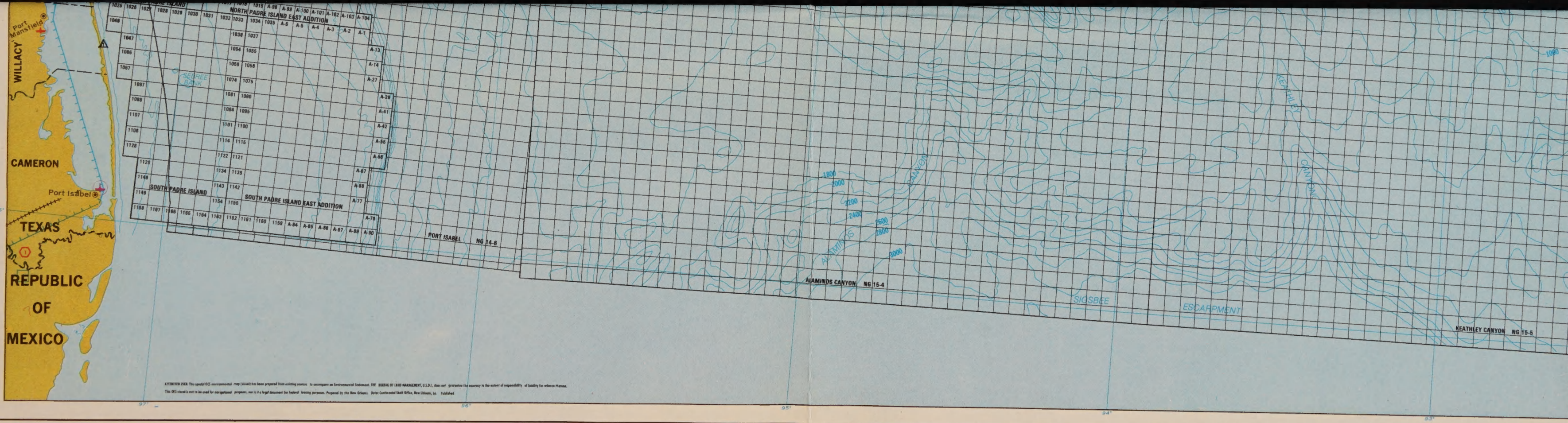
Prepared In Conjunction With Proposed OCS Lease Sale





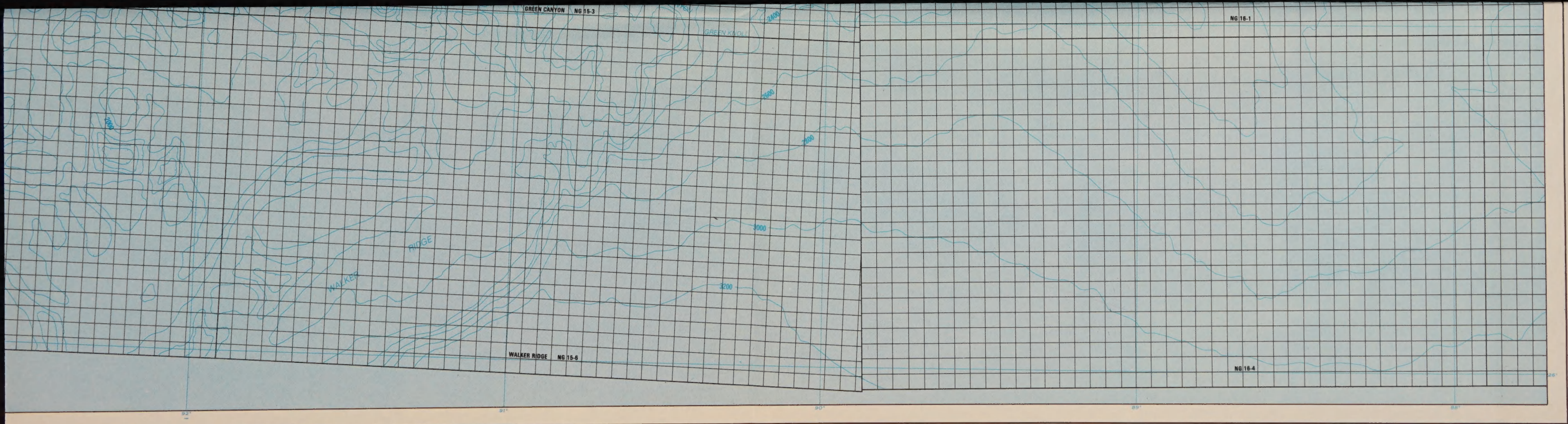






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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO


## GEOPRESSURED-GEOTHERMAL ENERGY IN RESERVOIR FLUIDS



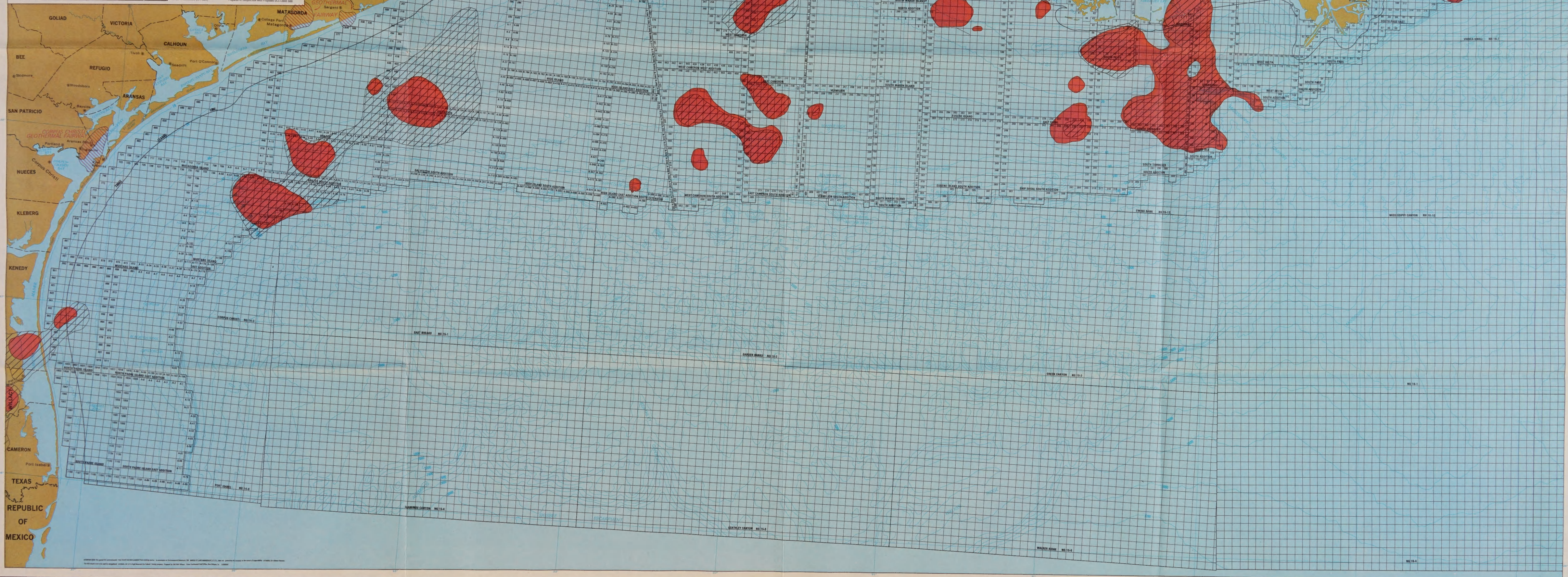
COUNTY BOUNDARIES


WATER DEPTH: 1100000

 AREAS WHERE METHANE ENERGY IN SAND BEDS IS  
> 74 BILLION STANDARD FT.<sup>3</sup> OF METHANE PER SQUARE MILE

 AREAS WHERE THERMAL ENERGY IS  $> 60 \times 10^{18} \text{ J/KM}$  AREAS CONSIDERED TO HAVE HIGH POTENTIAL FOR DEVELOPMENT OF GEOPRESSURED-GEOTHERMAL RESOURCES GEOPRESSURED-GEOTHERMAL TEST WELLS

SOURCE: USGS CIRCULAR 790, MAP NO. 3, BY WALLACE, R. H., JR., KRAMER, T. F., TAYLOR, R. E., AND WESSELMAN, J. E.

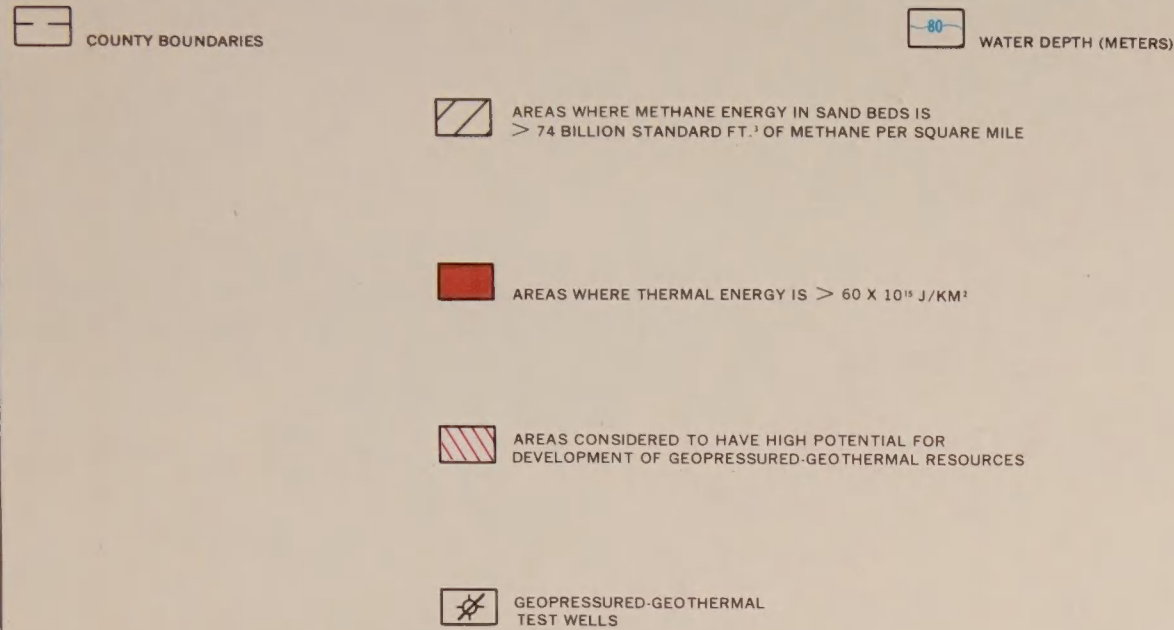




UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO

VISUAL NO. 8

**GEOPRESSURED-GEOTHERMAL ENERGY IN RESERVOIR FLUIDS**



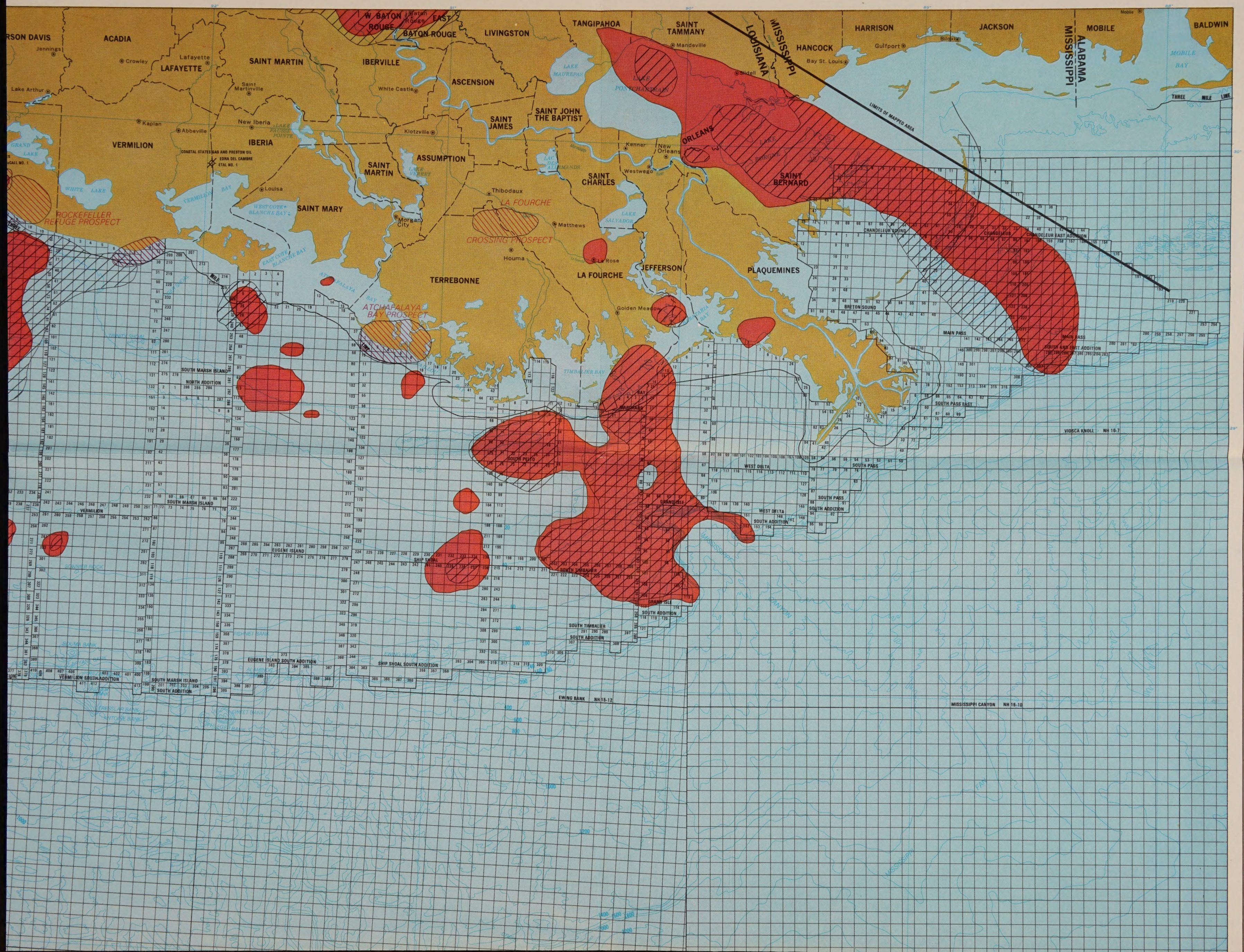
SOURCE: USGS CIRCULAR 790, MAP NO. 3, BY WALLACE, R. H., JR., KRAMER, T. F., TAYLOR, R. E., AND WESSELMAN, J. B.

STATUTE MILES 0 10 20 30 40 50 SCALE 1:1,000,000 (APPROX.)

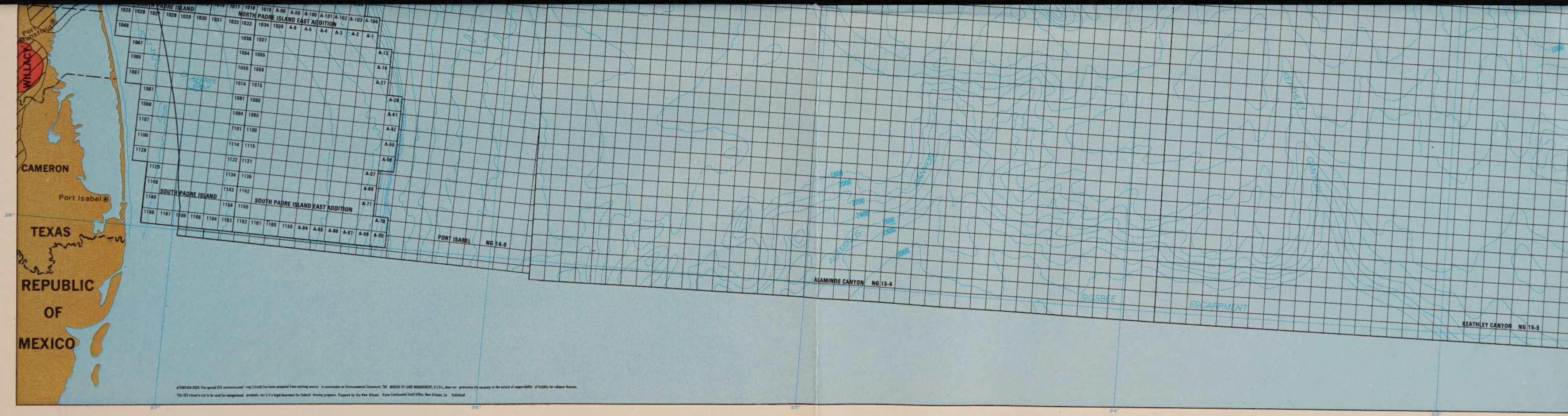
Prepared in Conjunction With Proposed OCS Lease Sale













GREEN CANYON NG 15-3

NG 16-1

GREEN KNOLL

2400

2600

2800

3000

3200

RIDGE

WALKER

WALKER RIDGE NG 15-6

NG 16-4

92°

91°

90°

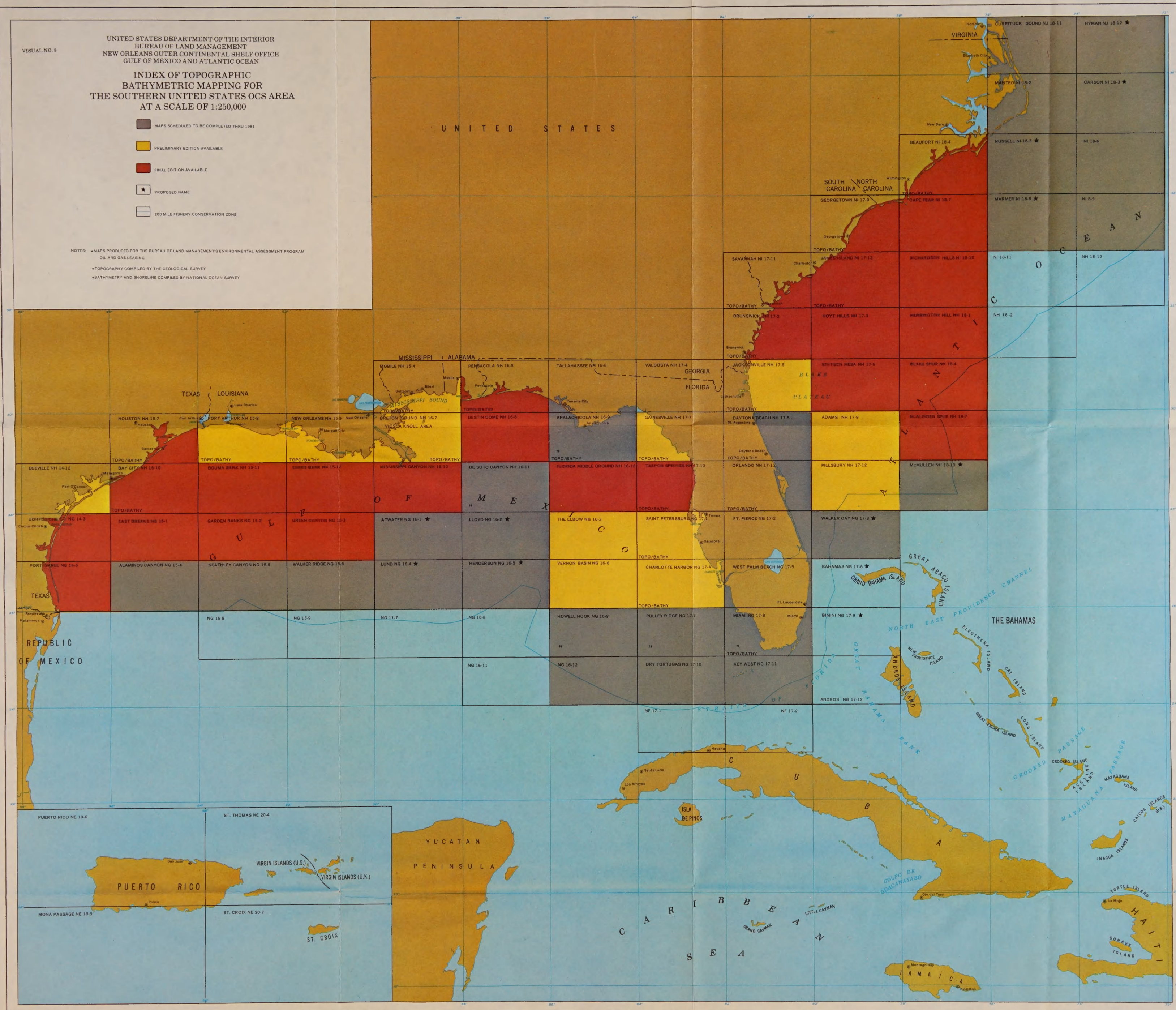
89°

88°

26°



NOTES: ♦ MAPS PRODUCED FOR THE BUREAU OF LAND MANAGEMENT'S ENVIRONMENTAL ASSESSMENT PROGRAM  
OIL AND GAS LEASING  
♦ TOPOGRAPHY COMPILED BY THE GEOLOGICAL SURVEY  
♦ BATHYMETRY AND SHORELINE COMPILED BY NATIONAL OCEAN SURVEY







VISUAL NO. 9


UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
GULF OF MEXICO AND ATLANTIC OCEAN


INDEX OF TOPOGRAPHIC  
BATHYMETRIC MAPPING FOR  
THE SOUTHERN UNITED STATES OCS AREA  
AT A SCALE OF 1:250,000

 MAPS SCHEDULED TO BE COMPLETED THRU 1981

 PRELIMINARY EDITION AVAILABLE

 FINAL EDITION AVAILABLE

 PROPOSED NAME

 200 MILE FISHERY CONSERVATION ZONE

NOTES: • MAPS PRODUCED FOR THE BUREAU OF LAND MANAGEMENT'S ENVIRONMENTAL ASSESSMENT PROGRAM  
OIL AND GAS LEASING

• TOPOGRAPHY COMPILED BY THE GEOLOGICAL SURVEY

• BATHYMETRY AND SHORELINE COMPILED BY NATIONAL OCEAN SURVEY

U N I T E D S T A T E S

HOUSTON NH 15-7

Port Arthur NH 15-8

NEW ORLEANS NH 15-9

MOBILE NH 16-4

PENSACOLA NH 16-5

TALLAHASSEE NH 16-6

VALDOSTA NH 17-4

TEXAS LOUISIANA

Lake Charles

MISSISSIPPI SOUND

BRETON SOUND NH 16-7

DESTIN DOME NH 16-8

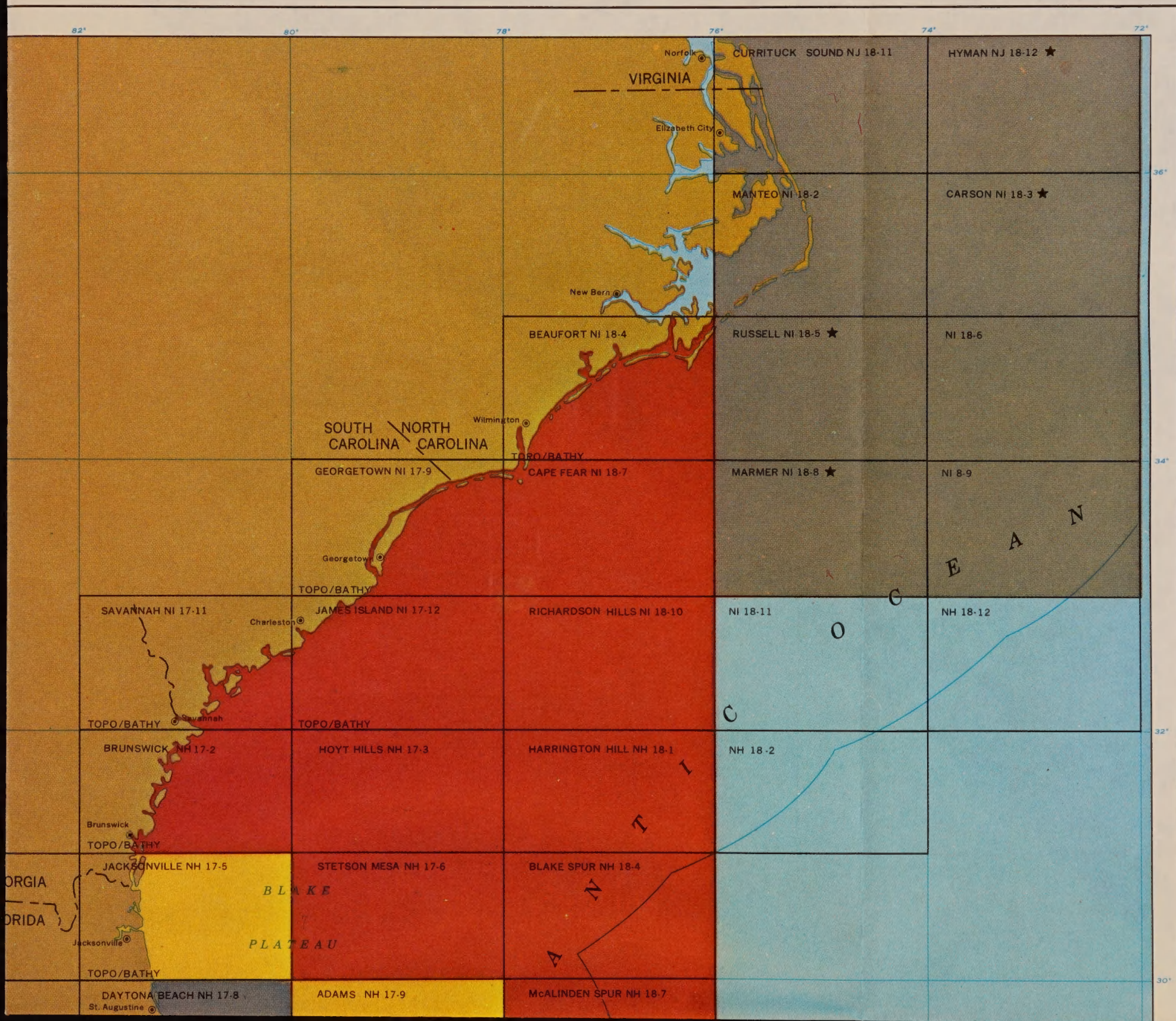
APALACHICOLA NH 16-9

GAINESVILLE NH 17-7

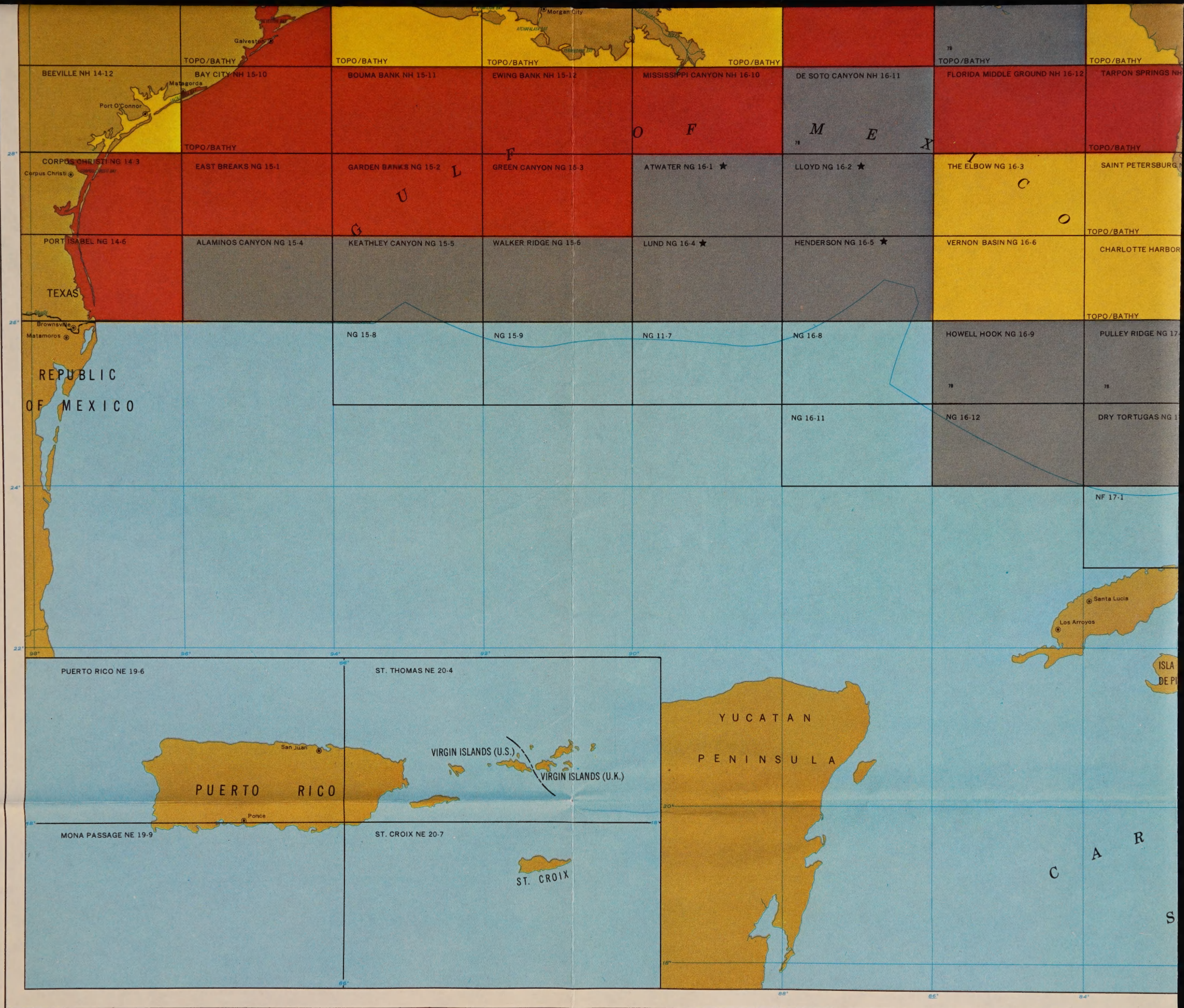
VIOSCA KNOLL AREA

Apalachicola











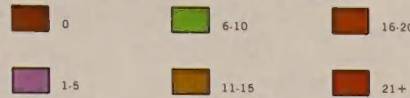




UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
GULF OF MEXICO AND ATLANTIC OCEAN  
SELECTED HURRICANES AFFECTING THE  
SOUTHERN UNITED STATES 1954-1977

1. Carol 8/25/54  
2. Edna 9/2/54  
3. Hazel 10/5/54  
4. Connie 8/3/55  
5. Diane 8/7/55  
6. Ione 9/10/55  
7. Betsy 8/9/56  
8. Audrey 6/25/57  
9. Daisy 8/24/58  
10. Ella 8/30/58  
11. Helene 9/21/58  
12. Gracie 9/20/59  
13. Donna 8/29/60  
14. Ethel 9/14/60  
15. Carla 9/3/61  
16. Ginny 10/16/61  
17. Cleo 8/20/64  
18. Dora 8/28/64  
19. Wilma 9/28/64  
20. Isbell 10/8/64  
21. Betsy 8/27/65  
22. Alma 6/4/66  
23. Inez 9/21/66  
24. Beulah 9/5/67  
25. Camille 8/14/69  
26. Gerde 9/6/69  
27. Laurie 10/17/69  
28. Celia 7/31/70  
29. Edith 9/5/71  
30. Ginger 9/6/71  
31. Carmen 8/29/74  
32. Caroline 8/24/75  
33. Eloise 9/13/75  
34. Gladys 9/22/75  
35. Belle 8/6/76  
36. Anita 8/29/77

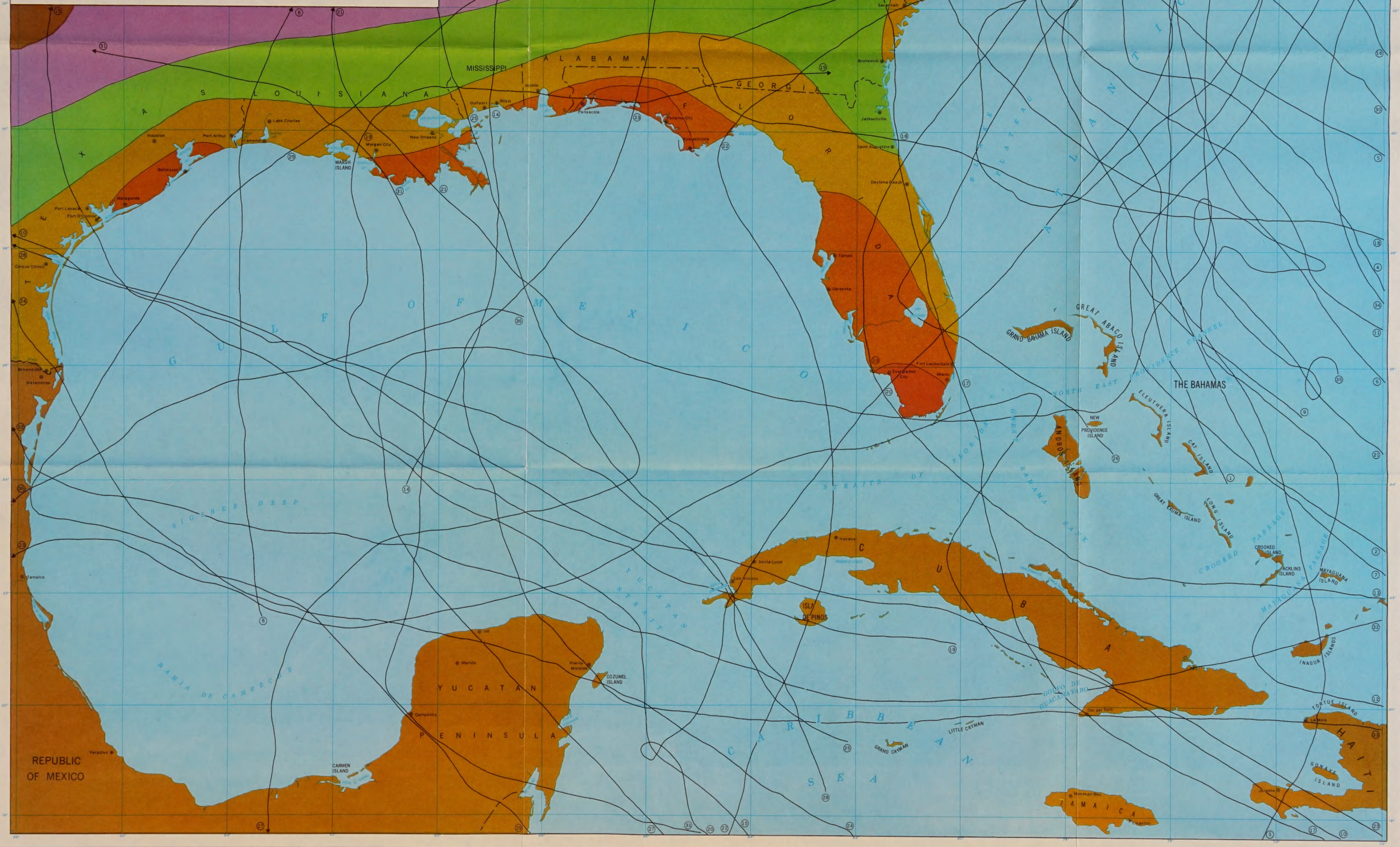
DAMAGING TROPICAL CYCLONES 1901-1955



NOTES: 1) Hurricane—Tropical cyclone with sustained surface wind speeds of 64 kt. (74 mph) or more.  
2) Tropical Storm—Tropical cyclone with closed isobars and sustained surface wind speeds of 34 to 63 kts. (39-73 mph).  
3) Plotted hurricanes were selected on the basis of sustained surface wind speeds of 85 kts. (100 mph) or more.  
4) Storm Tracks are somewhat generalized. For more exact information, Refer to National Weather Service publications.

SOURCE: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, National Hurricane Center, Coral Gables, Florida.

Bureau of Land Management  
Library  
Denver Service Center



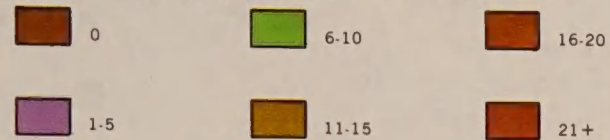


VISUAL NO. 10

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
GULF OF MEXICO AND ATLANTIC OCEAN  
SELECTED HURRICANES AFFECTING THE  
SOUTHERN UNITED STATES 1954-1977

- |                         |                          |                           |
|-------------------------|--------------------------|---------------------------|
| 1. Carol 8/25-9/1/54    | 13. Donna 8/29-9/14/60   | 25. Camille 8/14-8/22/69  |
| 2. Edna 9/2-9/15/54     | 14. Ethel 9/14-9/17/60   | 26. Gerda 9/6-9/10/69     |
| 3. Hazel 10/5-10/19/54  | 15. Carla 9/3-9/13/61    | 27. Laurie 10/17-10/26/69 |
| 4. Connie 8/3-8/15/55   | 16. Ginny 10/16-10/30/63 | 28. Celia 7/31-8/5/70     |
| 5. Diane 8/7-8/21/55    | 17. Cleo 8/20-9/5/64     | 29. Edith 9/5-9/18/71     |
| 6. Ione 9/10-9/24/55    | 18. Dora 8/28-9/16/64    | 30. Ginger 9/6-10/5/71    |
| 7. Betsy 8/9-8/20/56    | 19. Hilda 9/28-10/5/64   | 31. Carmen 8/29-9/10/74   |
| 8. Audrey 6/25-6/29/57  | 20. Isbell 10/8-10/17/64 | 32. Caroline 8/24-9/1/75  |
| 9. Daisy 8/24-8/31/58   | 21. Betsy 8/27-9/13/65   | 33. Eloise 9/13-9/24/75   |
| 10. Ella 8/30-9/6/58    | 22. Alma 6/4-6/14/66     | 34. Gladys 9/22-10/4/75   |
| 11. Helene 9/21-10/4/58 | 23. Inez 9/21-10/11/66   | 35. Belle 8/6-8/10/76     |
| 12. Gracie 9/20-10/2/59 | 24. Beulah 9/5-9/22/67   | 36. Anita 8/29-9/3/77     |

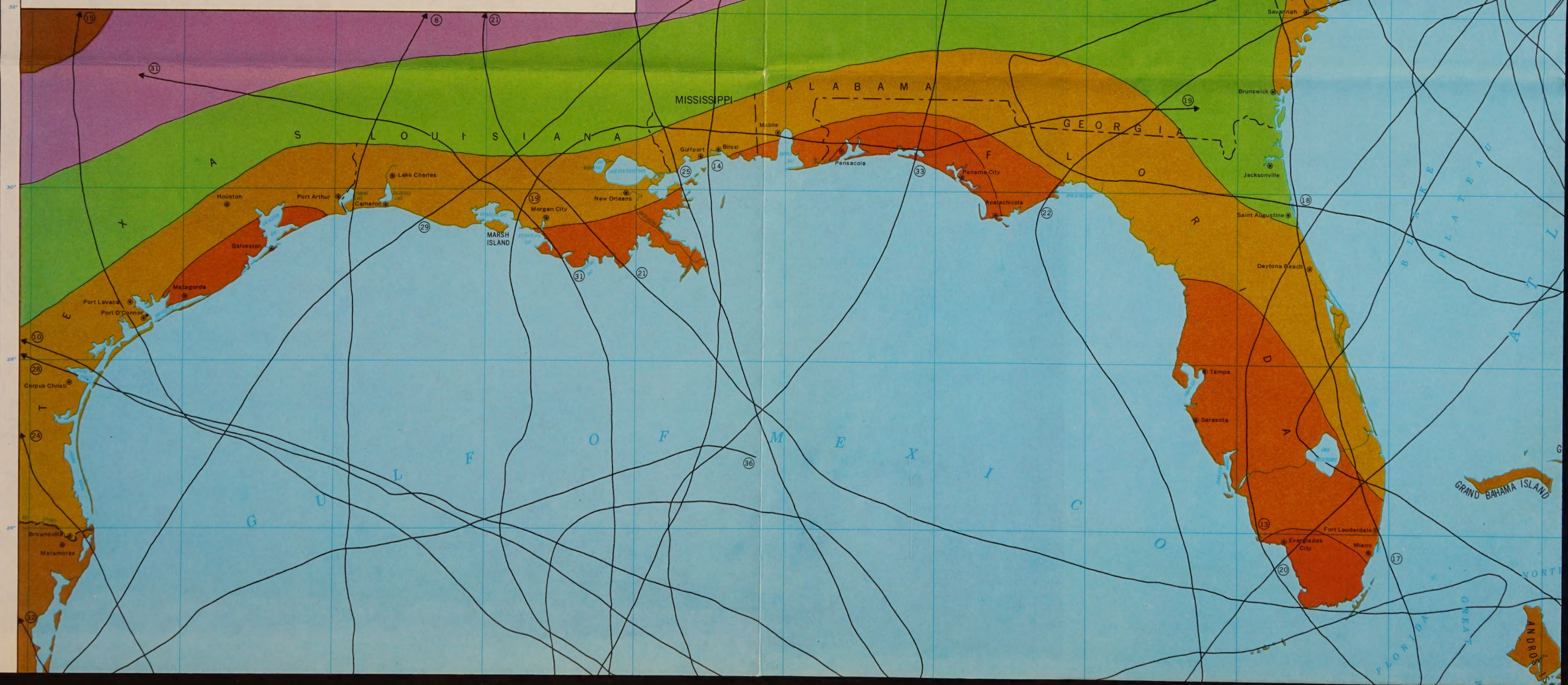
## DAMAGING TROPICAL CYCLONES 1901-1955



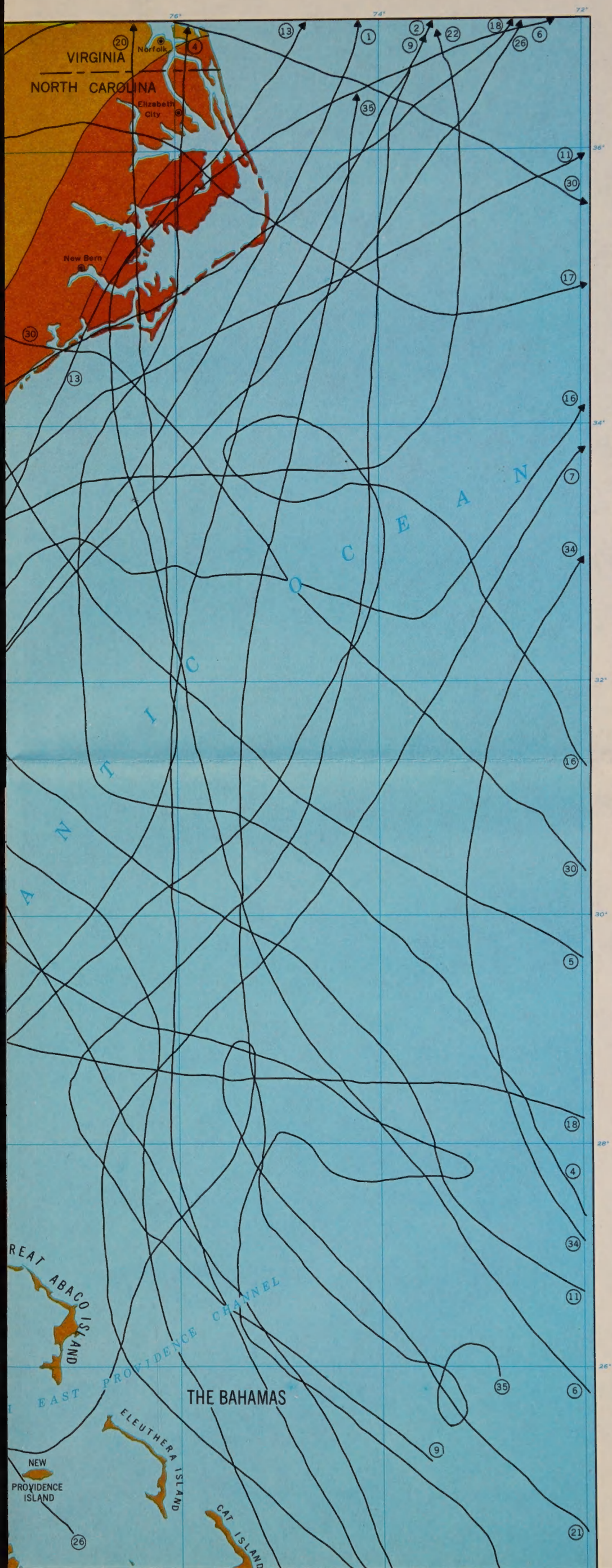
- NOTES: 1) Hurricane—Tropical cyclone with sustained surface wind speeds of 64 kt. (74 mph) or more.  
2) Tropical Storm—Tropical cyclone with closed isobars and sustained surface wind speeds of 34 to 63 kts. (39-73 mph).  
3) Plotted hurricanes were selected on the basis of sustained surface wind speeds of 85 kts. (100 mph) or more.  
4) Storm Tracks are somewhat generalized. For more exact information, Refer to National Weather Service publications.

SOURCE: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, National Hurricane Center, Coral Gables, Florida.

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
GULF OF MEXICO

SUBMARINE PHYSIOGRAPHY

- SOURCES:
- Bryant, W.R.; Antoine, J.; Ewing, M.; and Jones. Structure of Mexican Continental Shelf and Slope, Gulf of Mexico, AAPG. V. 52, No. 7, (July 1968).
  - Uchupi, E.; and Emery, K.O. Structure of Continental Margin off Gulf Coast of United States, AAPG. V. 52, No. 7 (July 1968).
  - U.S. Navy Department, Oceanographer of the Navy; Bergantino, R.N. Bathymetric Profiles from USS San Pablo and USNS Keathley, 1968 and USNS Kane, 1969.
  - Worzel, J.L.; Leyden, R. and Ewing, M., Newly Discovered Diapirs in Gulf of Mexico, AAPG. V. 52, No. 7 (July 1968).

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VISUAL NO. 11

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
GULF OF MEXICO

SUBMARINE PHYSIOGRAPHY

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Bryant, W.R.; Antoine, J.; Ewing, M.; and Jones. Structure of Mexican Continental Shelf and Slope, Gulf of Mexico, AAPG. V. 52, No. 7, (July 1968).

Uchupi, E.; and Emery, K.O. Structure of Continental Margin off Gulf Coast of United States, AAPG. V. 52, No. 7 (July 1968).

U.S. Navy Department, Oceanographer of the Navy; Bergantino, R.N. Bathymetric Profiles from USS San Pablo and USNS Keathley, 1968 and USNS Kane, 1969.

Worzel, J.L.; Leyden, R. and Ewing, M., Newly Discovered Diapirs in Gulf of Mexico, AAPG. V. 52, No. 7 (July 1968).

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Library  
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87°

86°

85°

84°

83°

82°

81°

80°

21°

20°

19°

18°

17°

16°

# 5569197

ID: 88076053

TD195.P4 G854 1980 v.2

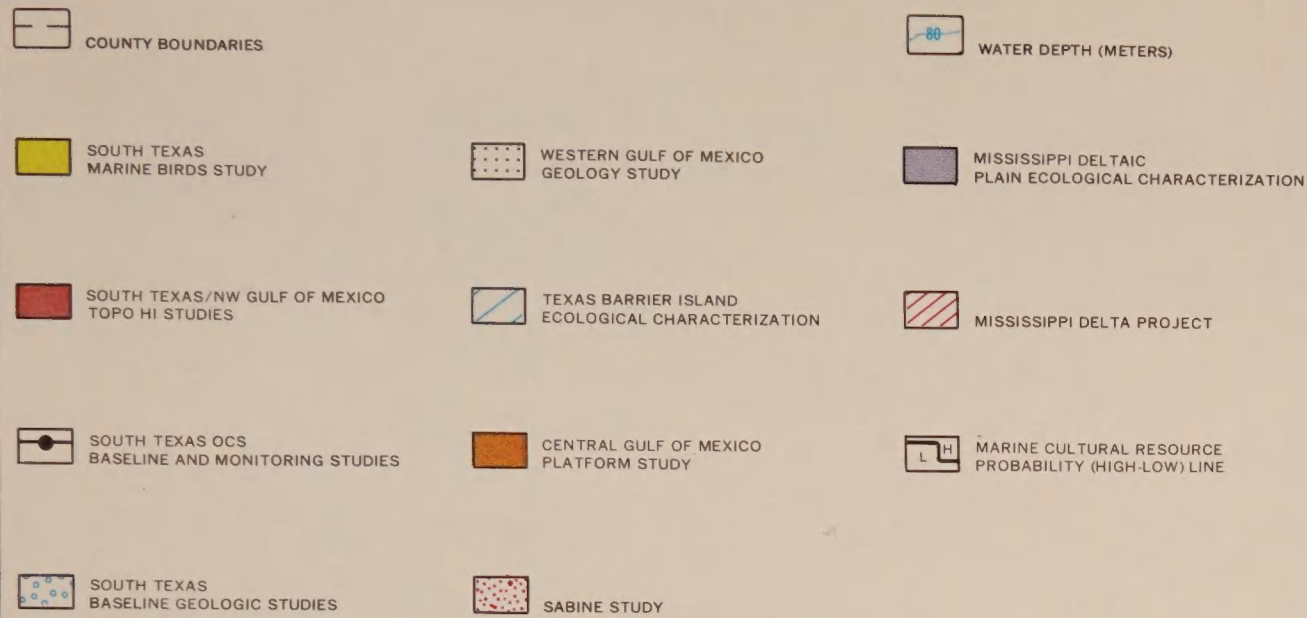






UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
WESTERN AND CENTRAL GULF OF MEXICO  
MARINE ENVIRONMENTAL STUDIES

VISUAL NO. 12



STATUTE MILES 0 10 20 30 40 50 SCALE 1:1,000,000 (APPROX.)

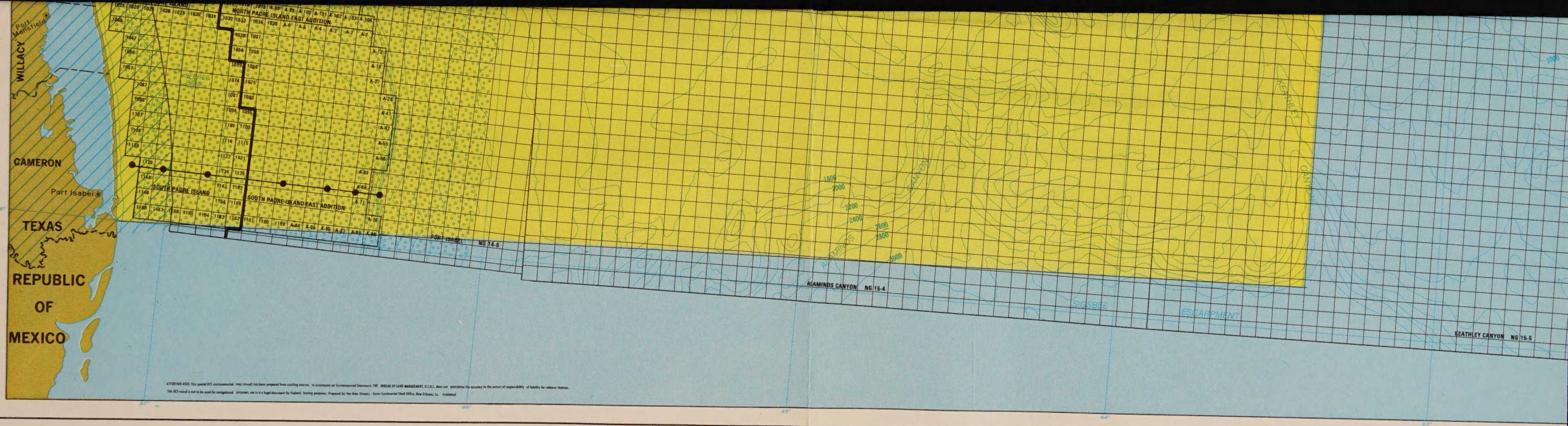
Prepared In Conjunction With Proposed OCS Lease Sale



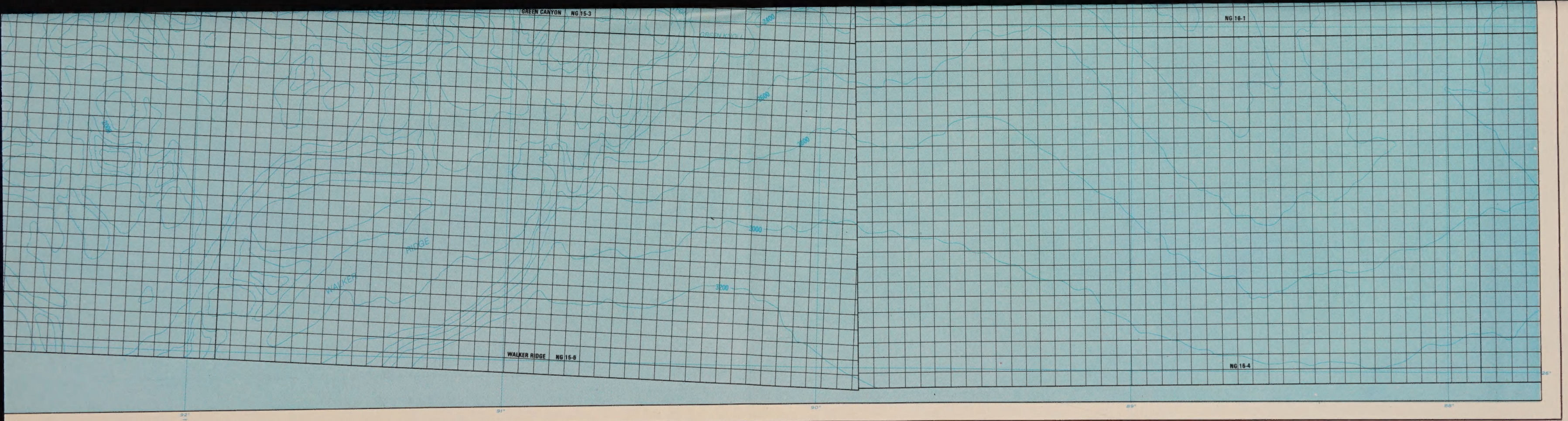












GREEN CANYON NG 15-3

NG 16-1

WALKER  
RIDGE

WALKER RIDGE NG 15-6

NG 16-4

92°

91°

90°

89°

88°

26°



OVERLAY OF PROPOSED TRACTS  
OCS SALES NO. 62 & 62A

TRACT NUMBERS

NOTE: PROVIDED AS AN OVERLAY FOR VISUALS NO. 1-8 AND 12

NO. 1

COASTAL ZONE

SHELF

SLOPE

SIGSBEE ESCARPMENT

DEEP OCEANIC



# OVERLAY OF PROPOSED TRACTS OCS SALES NO. 62 & 62A

1 TRACT NUMBERS

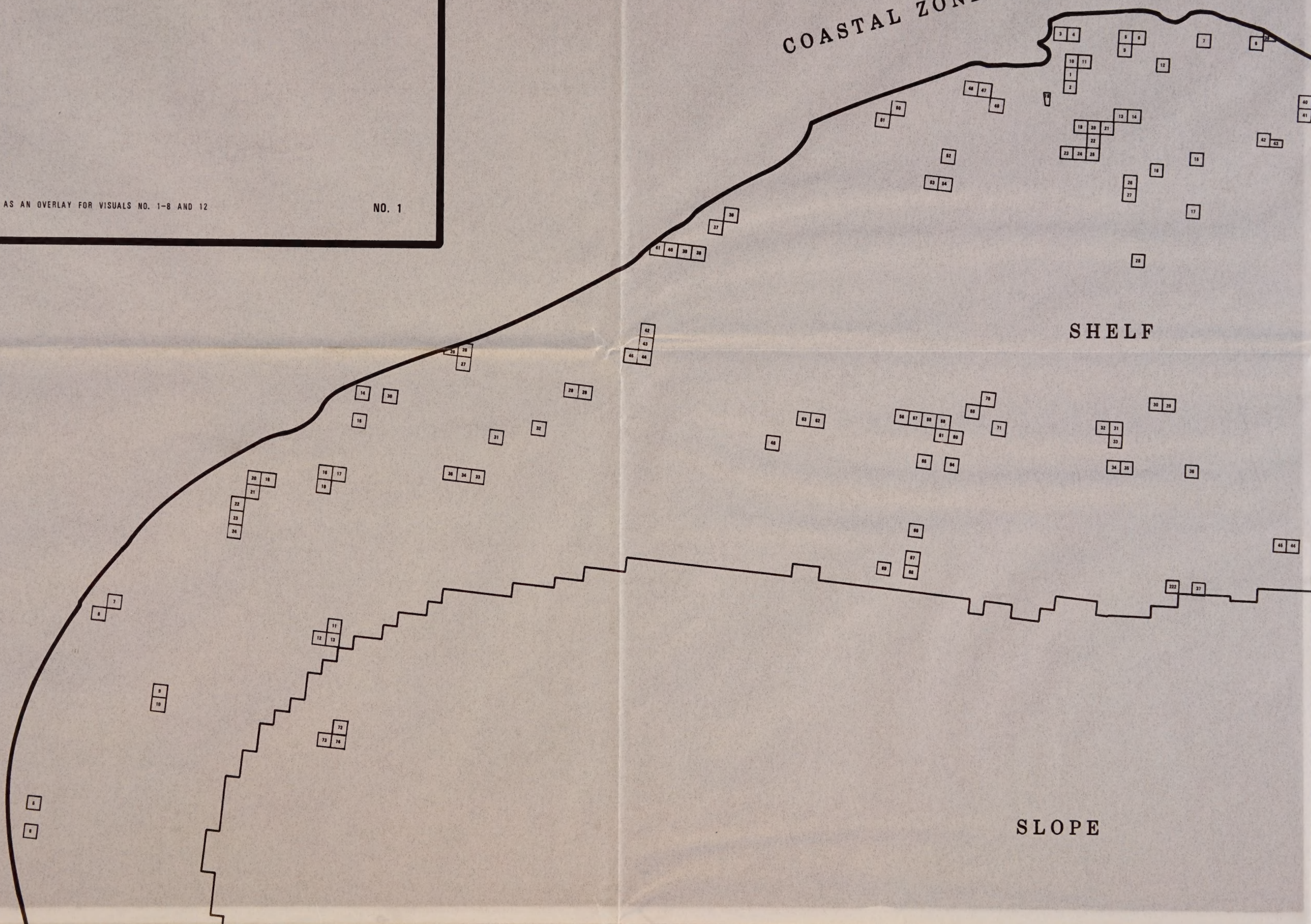
NOTE: PROVIDED AS AN OVERLAY FOR VISUALS NO. 1-8 AND 12

NO. 1

COASTAL ZONE

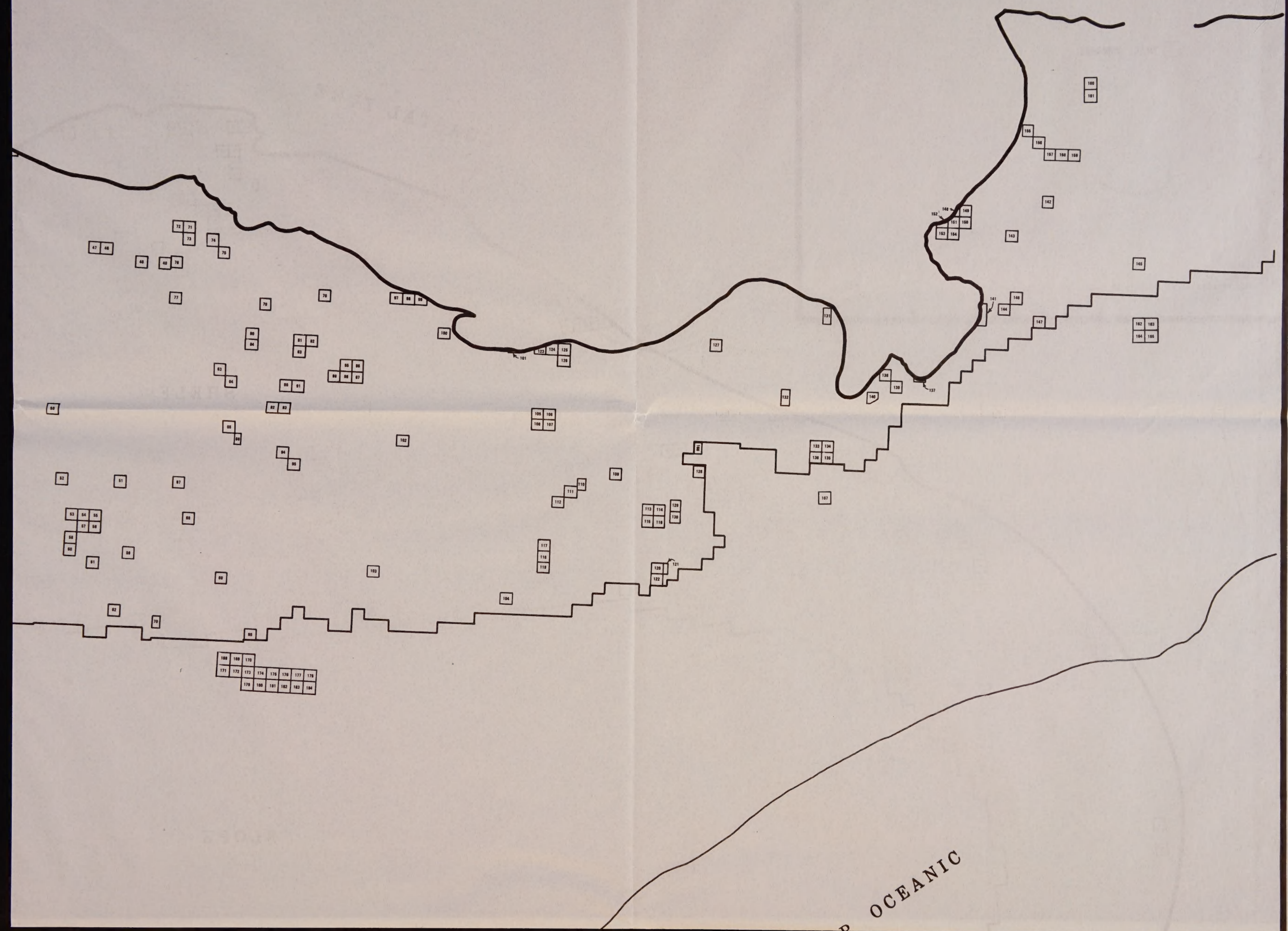
SHELF

SLOPE





OVERLAY OF PROPOSED TRAILS  
ON MAP OF 1954







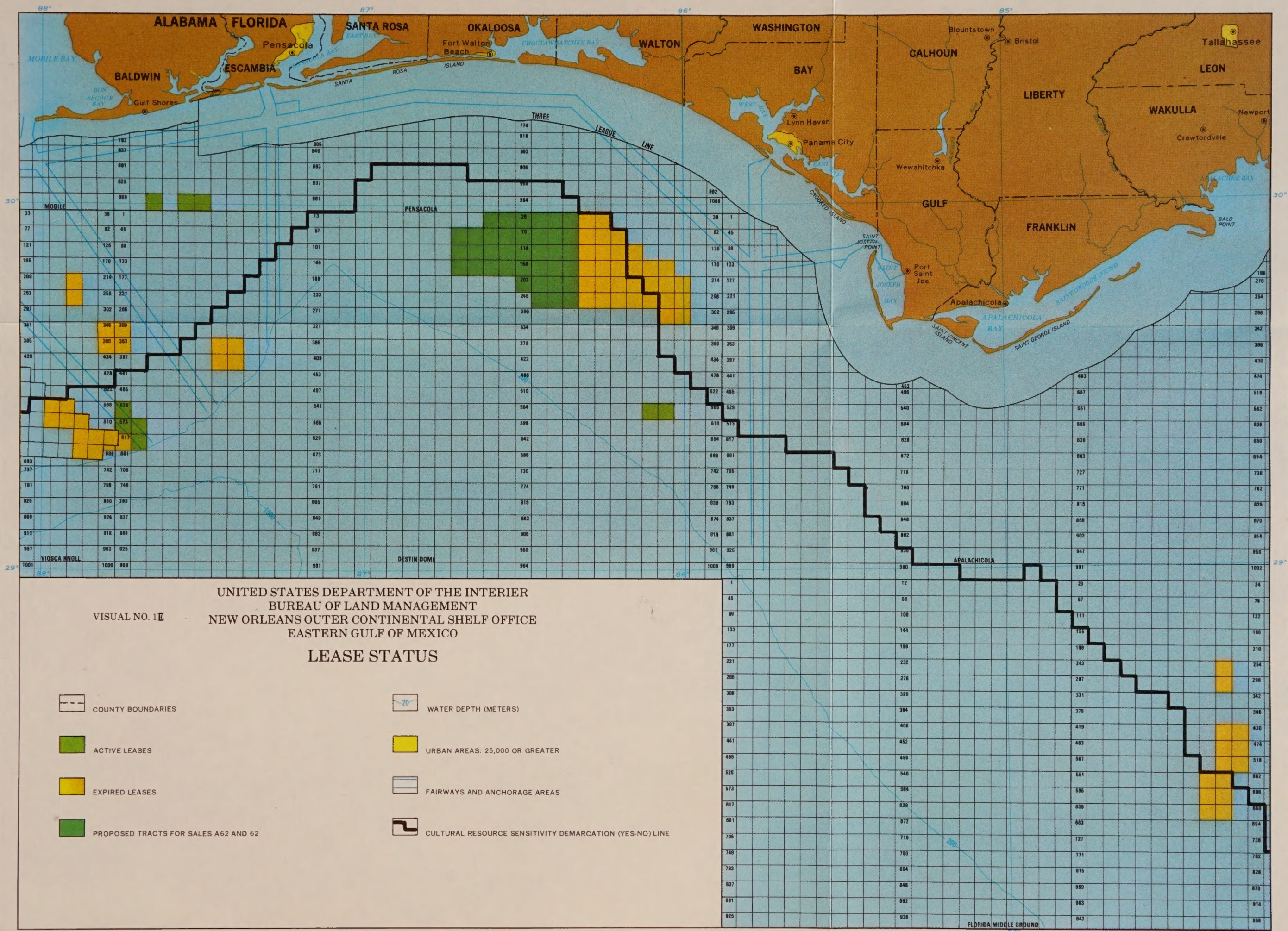
1	2
4	3

SIGSBEE ESCARPMENT



DEE



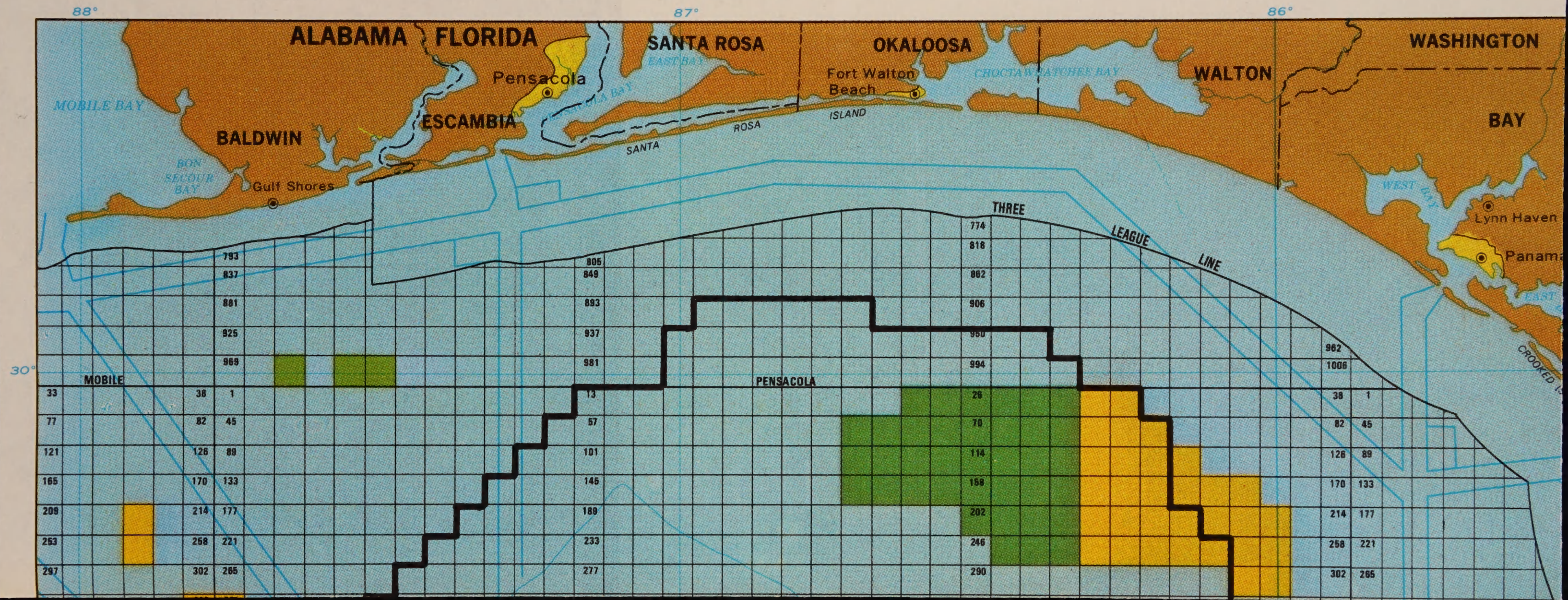


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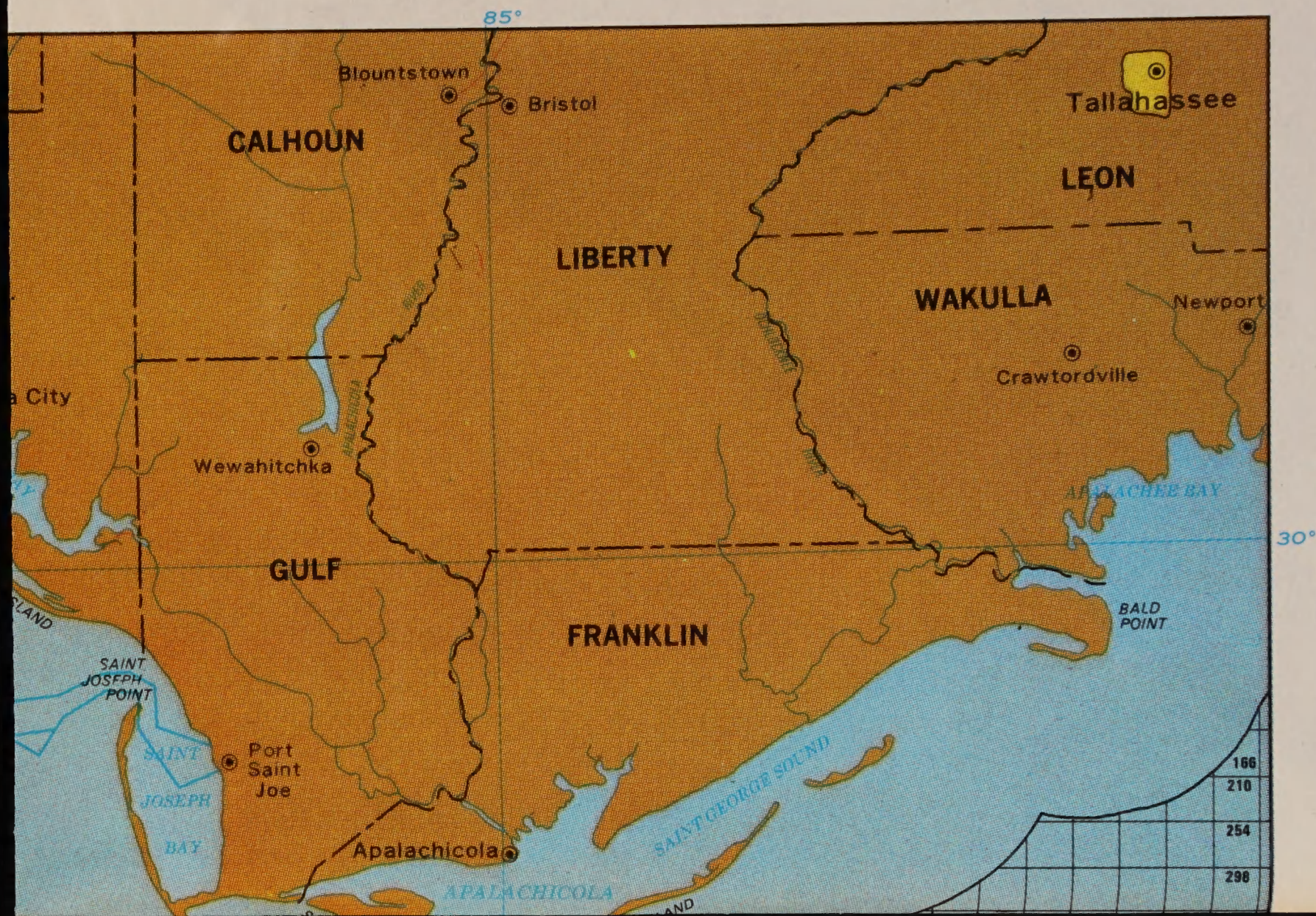
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TD195.P4 G854 1980 v.2









85°

CALHOUN

Blountstown

Bristol

Tallahassee

LEON

LIBERTY

WAKULLA

Newport

Crawfordville

Wewahitchka

GULF

FRANKLIN

BALD POINT

Apalachicola

Port Saint Joe

SAINT JOSEPH POINT

SAINT JOSEPH BAY

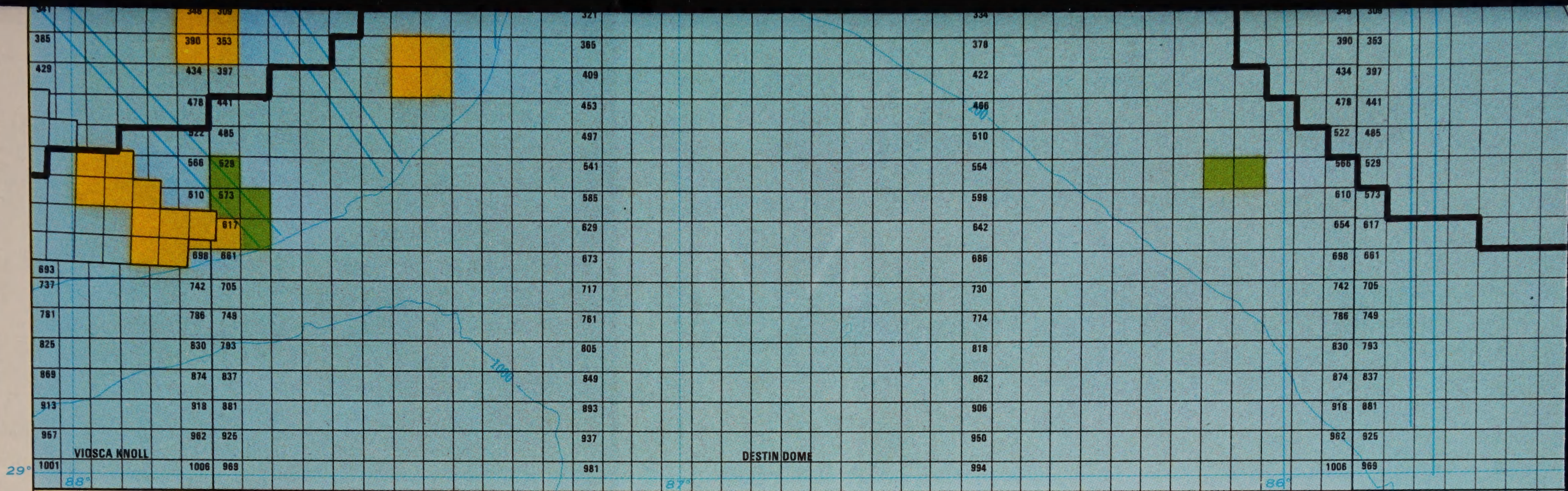
SAINT GEORGE SOUND

APALACHICOLA

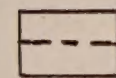
30°

166  
210  
254  
298





UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT  
 NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
 EASTERN GULF OF MEXICO  
 LEASE STATUS



COUNTY BOUNDARIES



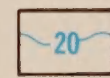
ACTIVE LEASES



EXPIRED LEASES



PROPOSED TRACTS FOR SALES A62 AND 62



WATER DEPTH (METERS)



URBAN AREAS: 25,000 OR GREATER



FAIRWAYS AND ANCHORAGE AREAS



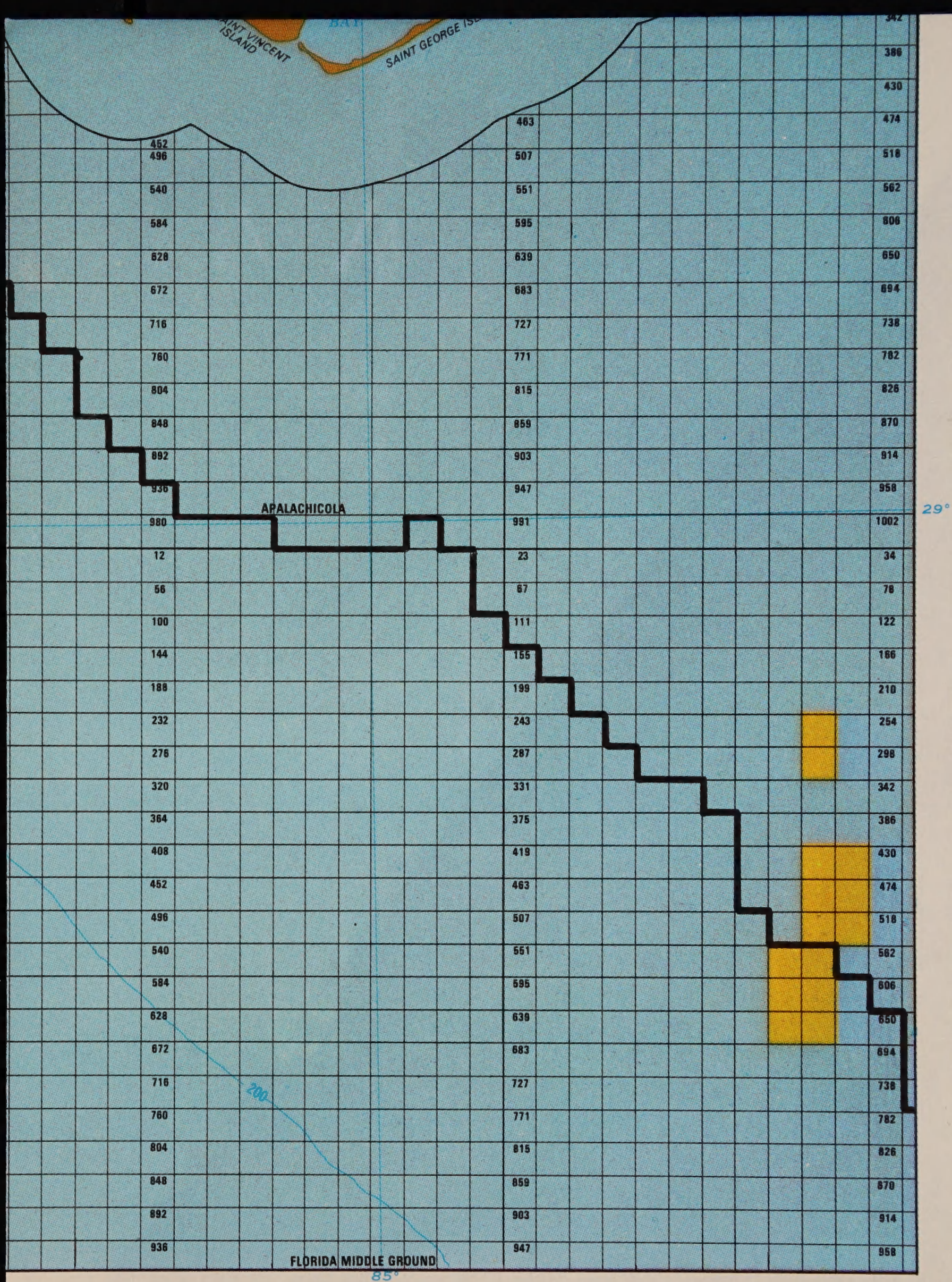
CULTURAL RESOURCE SENSITIVITY DEMARCATION (YES-NO) LINE

#5509197

ID: 88076053

TD195.P4 G854 1980 v.2








COASTAL ZONE

				185	186	187	188	189	190
181	182	183	184	185	186	187	188	189	190
189	200	201	202	203	204	205	206		
207	208	209	210	211	212	213	214		
				215	216	217	218		
				219	220	221			

SHELF

SLOPE

OVERLAY OF PROPOSED TRACTS  
OCS SALE NO.A62


 TRACT NUMBERS

NOTE: PROVIDED AS AN OVERLAY FOR MAFLA VISUALS

NO. 1E

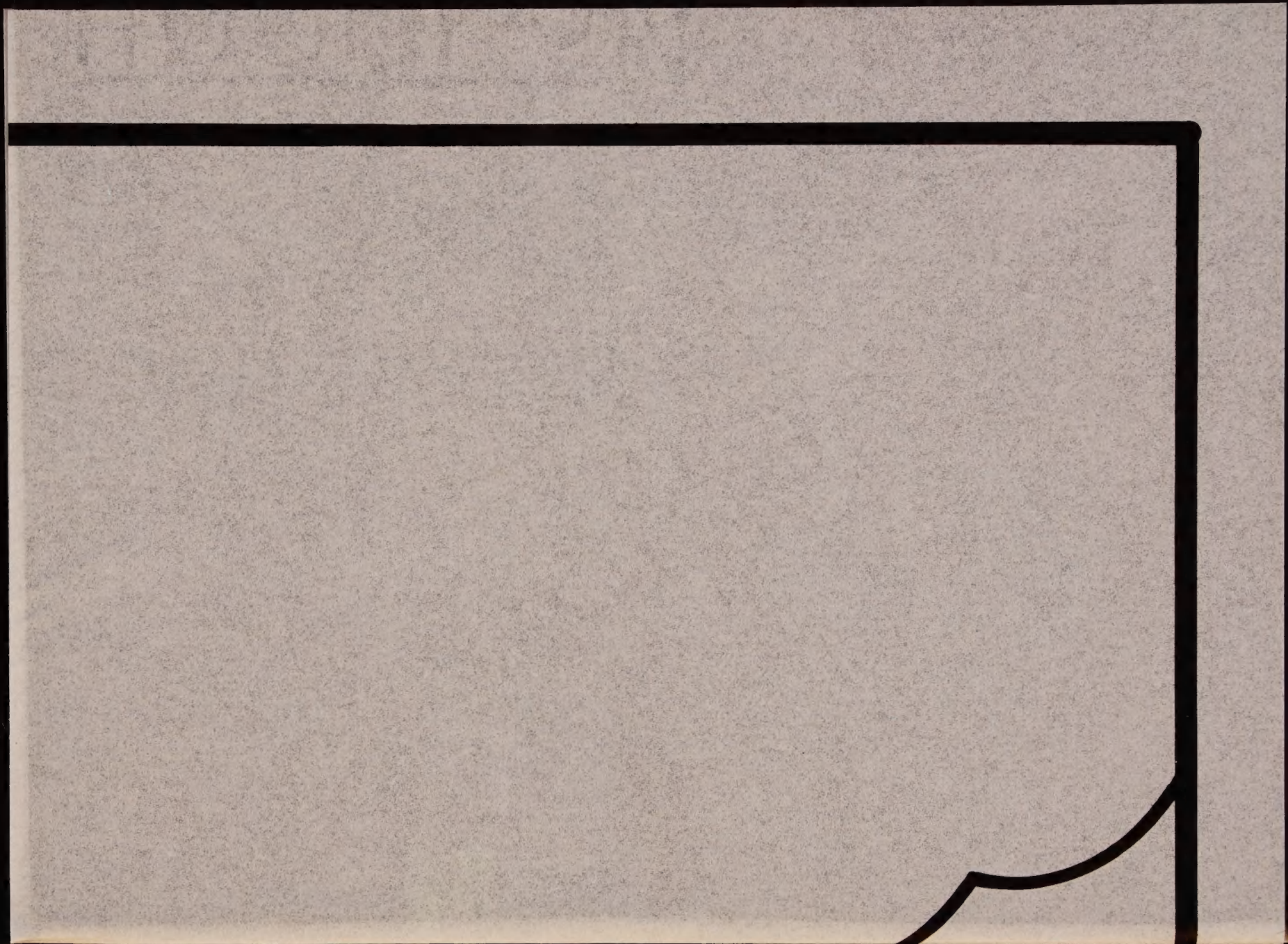


# COASTAL ZONE



				185	186	187	188	189	190
191	192	193	194	195	196	197	198		
199	200	201	202	203	204	205	206		
207	208	209	210	211	212	213	214		
					215	216	217	218	
						219	220	221	







SHELF

SLOPE

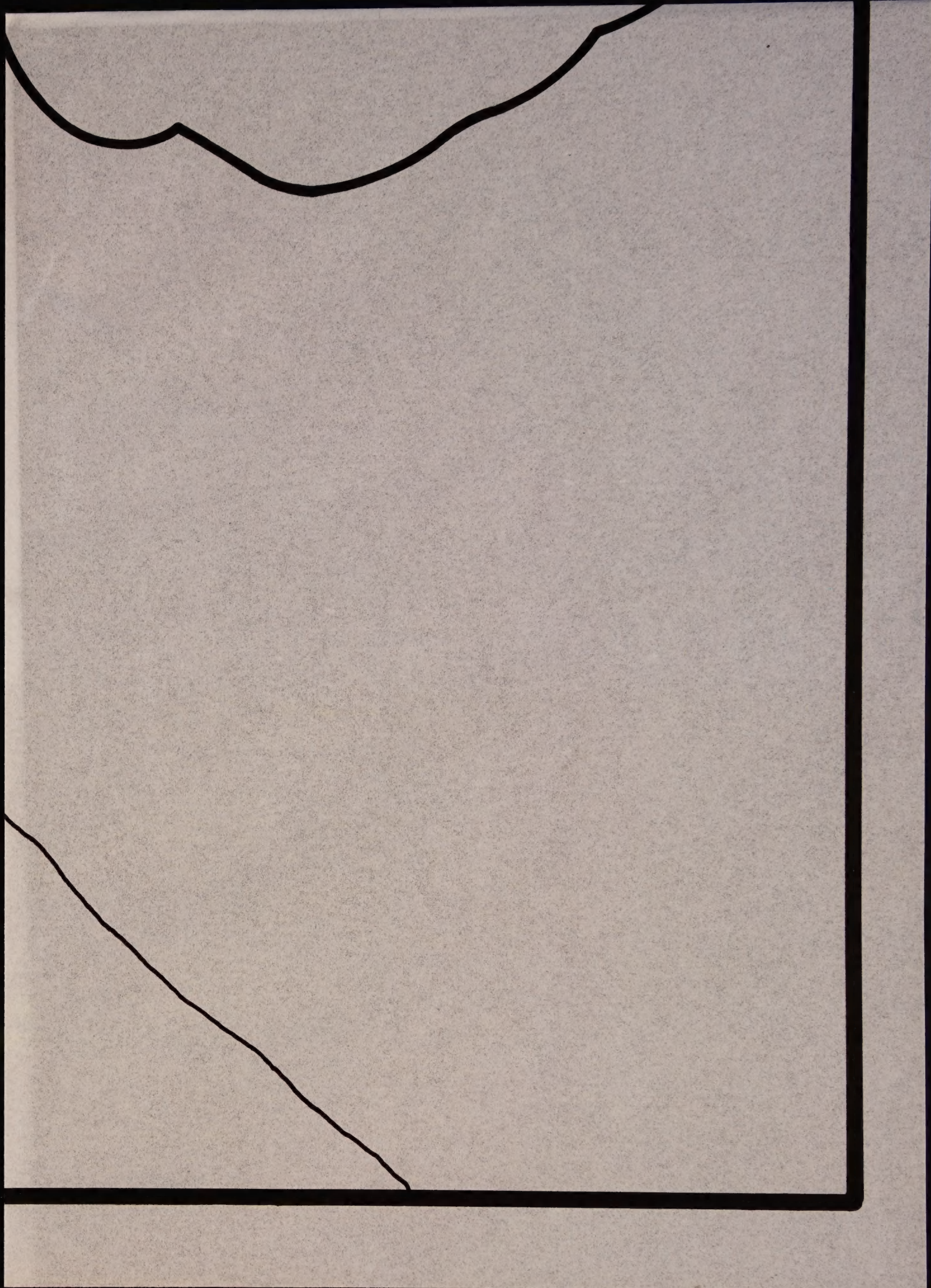
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OCS SALE NO.A62

975 TRACT NUMBERS

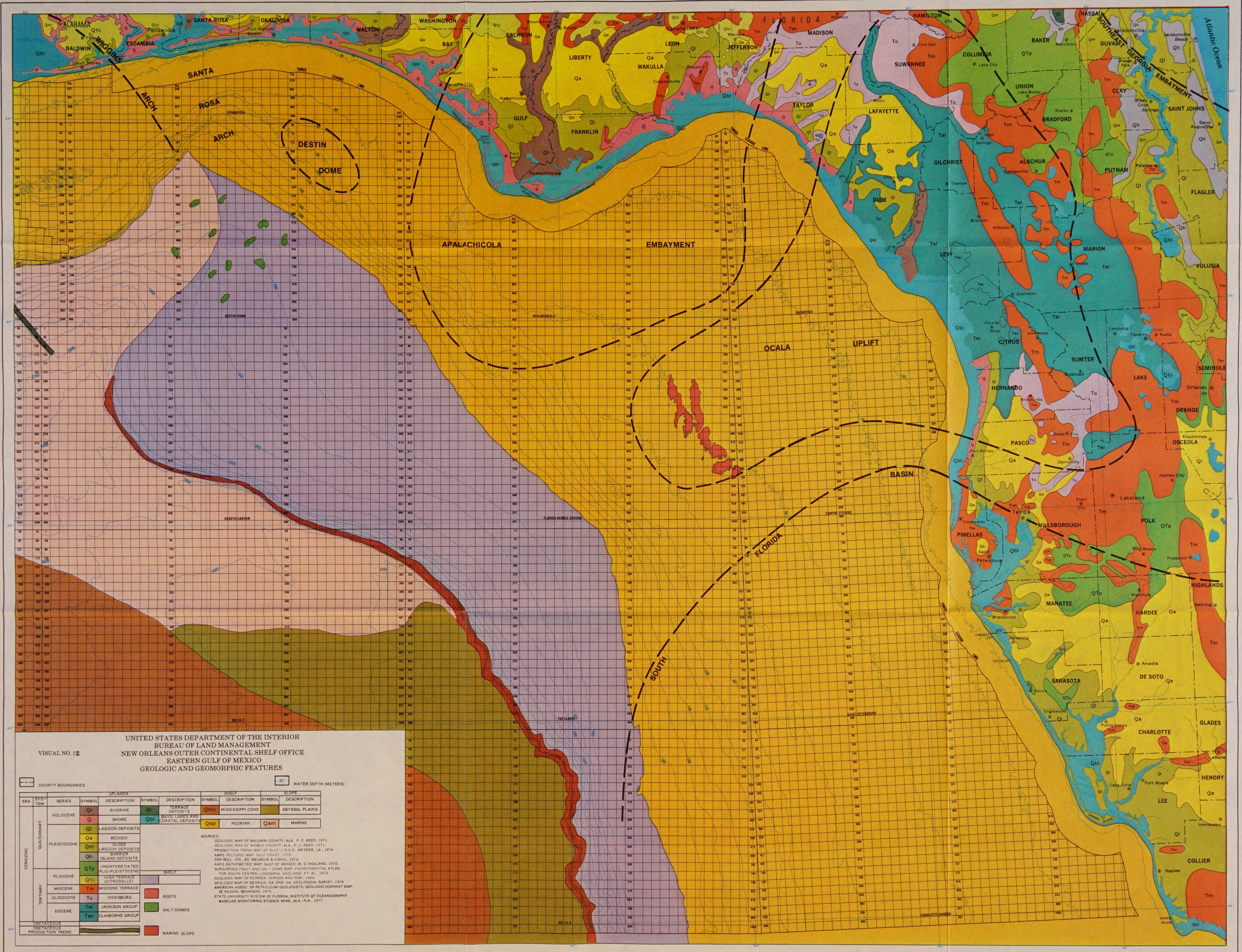
NOTE: PROVIDED AS AN OVERLAY FOR MAFLA VISUALS

NO. 1E







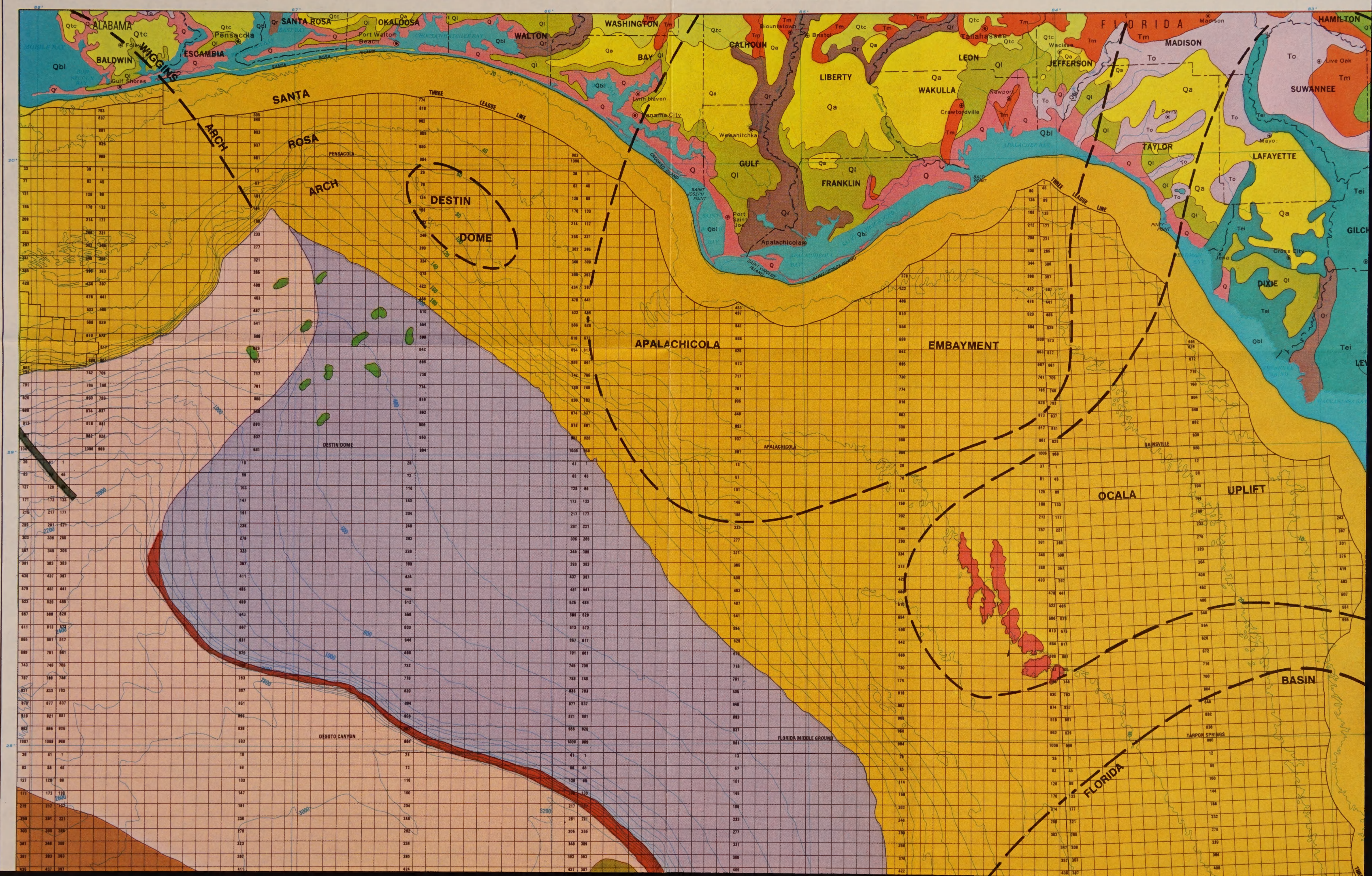


UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
EASTERN GULF OF MEXICO  
GEOLOGIC AND GEOMORPHIC FEATURES

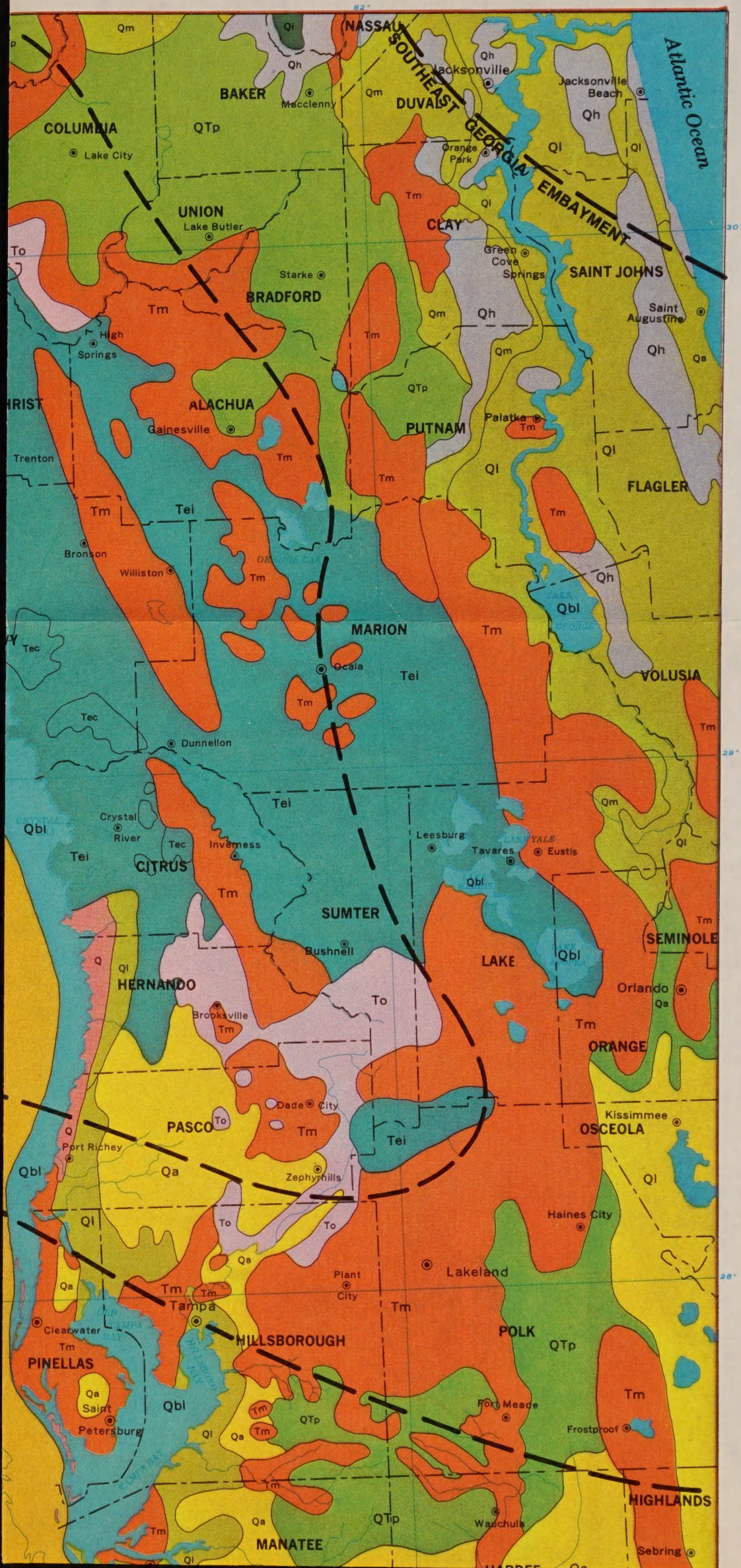
SYMBOL		UPLANDS		SHELF		SLOPE	
ERA	SYMBOL	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
QUATERNARY	Qr	Qr	RIVERINE	Qm	MISSISSIPPI CONE	Qm	ABYSSAL PLAINS
	Q	Q	SHORE	Qsp	PEORIAN	Qam	MARINE
	Ql	Ql	LAGOON DEPOSITS				
	Qa	Qa	BEDDED				
	Qm	Qm	LAGOON DEPOSITS				
	Qh	Qh	BARRIER				
	Qd	Qd	UNDIFFERENTIATED				
	Qc	Qc	PLIO-PLIOCENE				
	Qb	Qb	PLIOCENE				
	Qa	Qa	PLIOCENE				
TERTIARY	Tm	Tm	MIOCENE TERRACE				
	To	To	VICKSBURG				
	Tel	Tel	JACKSON GROUP				
	Tec	Tec	CLAIBORNE GROUP				
			REEFS				
			SALT DOMES				
CRETACEOUS							

SOURCES:  
GEOLOGIC MAP OF BALDWIN COUNTY, ALA., P. C. REED, 1971.  
GEOLOGIC MAP OF MOBILE COUNTY, ALA., P. C. REED, 1971.  
PRODUCTION TEND MAP OF GULF U.S.G.S. METERS, LA, 1974.  
AAPG TECTONIC MAP, GULF COAST, 1972.  
GSA BULL. VOL. 83, WELCH & EWING, 1972.  
AAPG BATHYMETRIC MAP, GULF OF MEXICO, W. C. HOLLAND, 1970.  
SUBSURFACE FAULTS AND SALT DOME MAP, ENVIRONMENTAL ATLAS  
FOR SOUTH CENTRAL LOUISIANA, GAGLIARDI ET AL., 1973.  
GEOLOGIC MAP OF FLORIDA, VERNON AND PURI, 1964.  
GEOLOGIC MAP OF GEORGIA, GA. DNR, GA. GEOLOGICAL SURVEY, 1976.  
AMERICAN ASSOC. OF PETROLEUM GEOLOGISTS, GEOLOGIC HIGHWAY MAP,  
SE REGION, BENNISON, 1975.  
STATE UNIVERSITY SYSTEM OF FLORIDA, INSTITUTE OF OCEANOGRAPHY  
BASELINE MONITORING STUDIES, MISS., ALA., FLA., 1977.

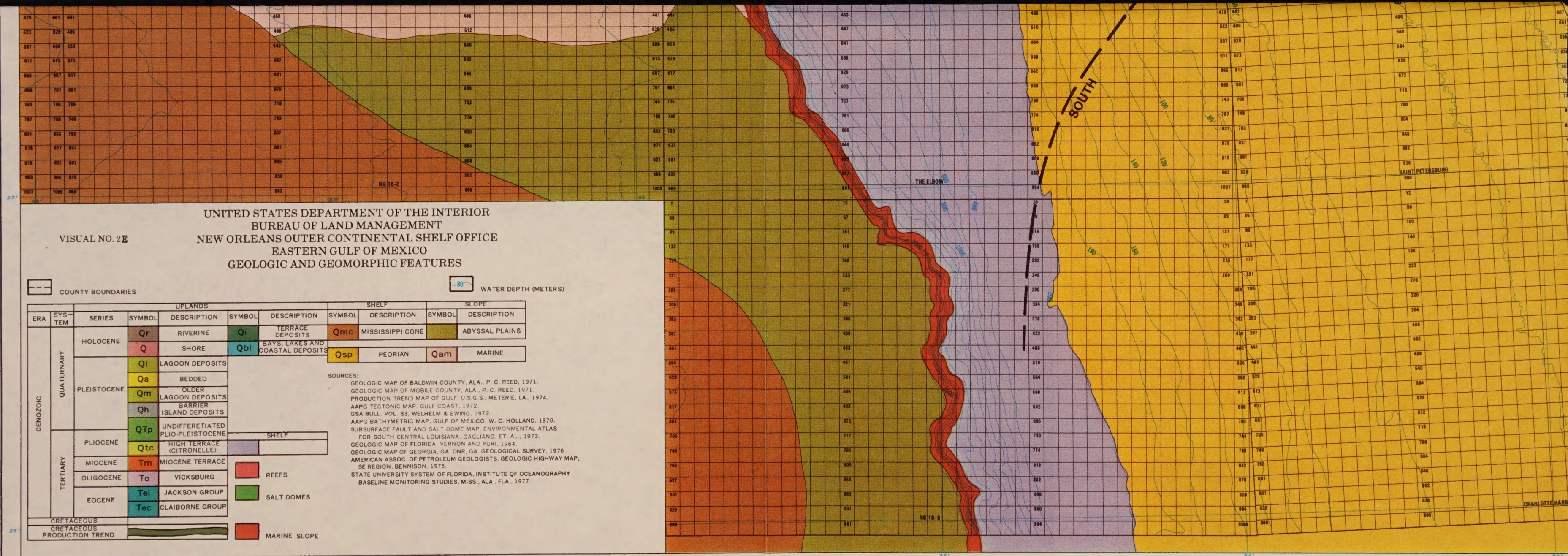










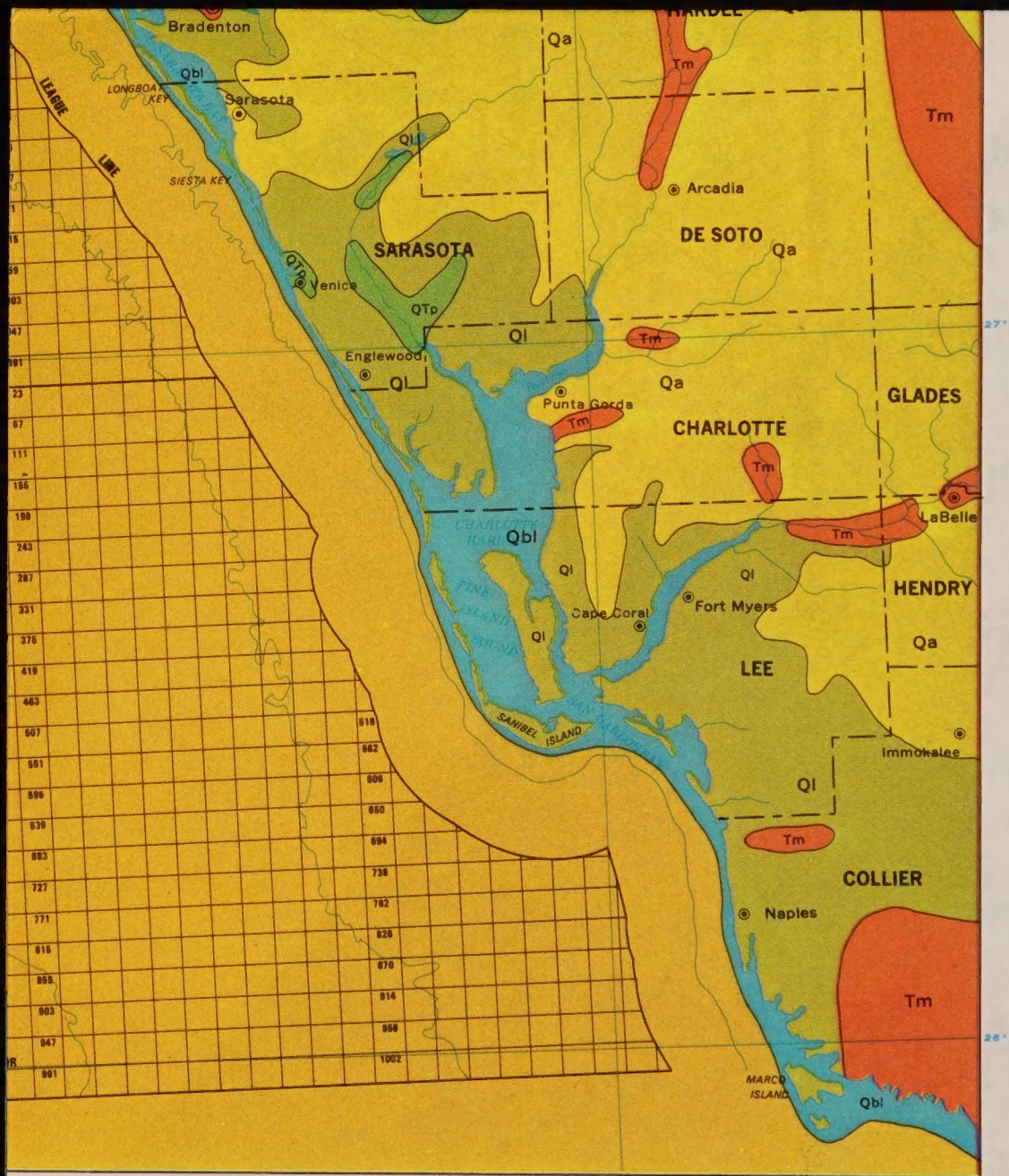


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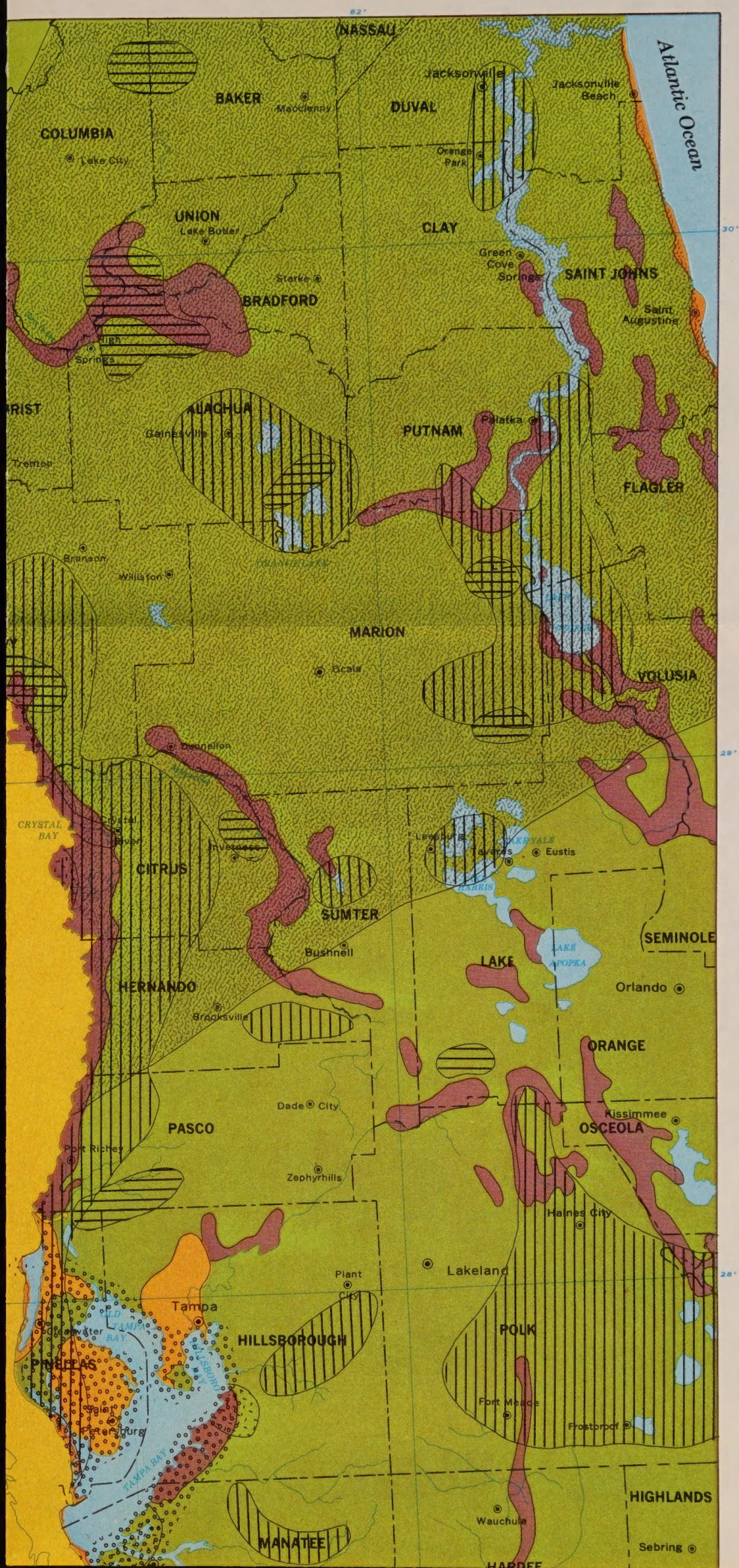




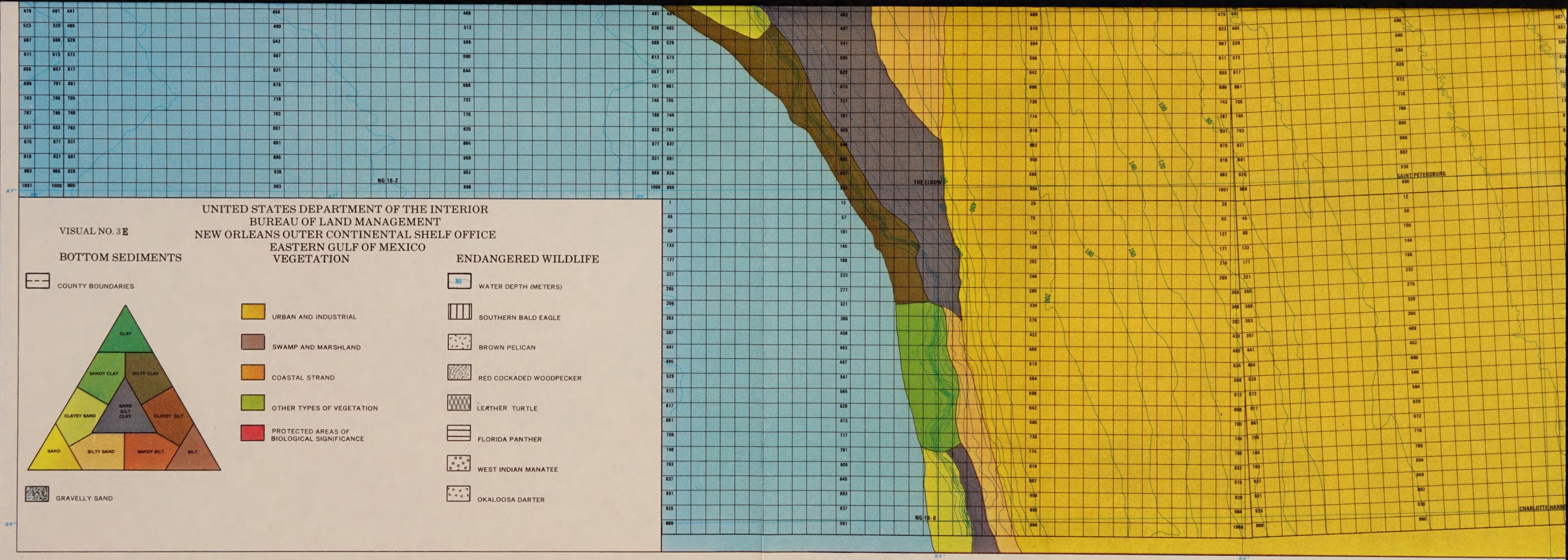












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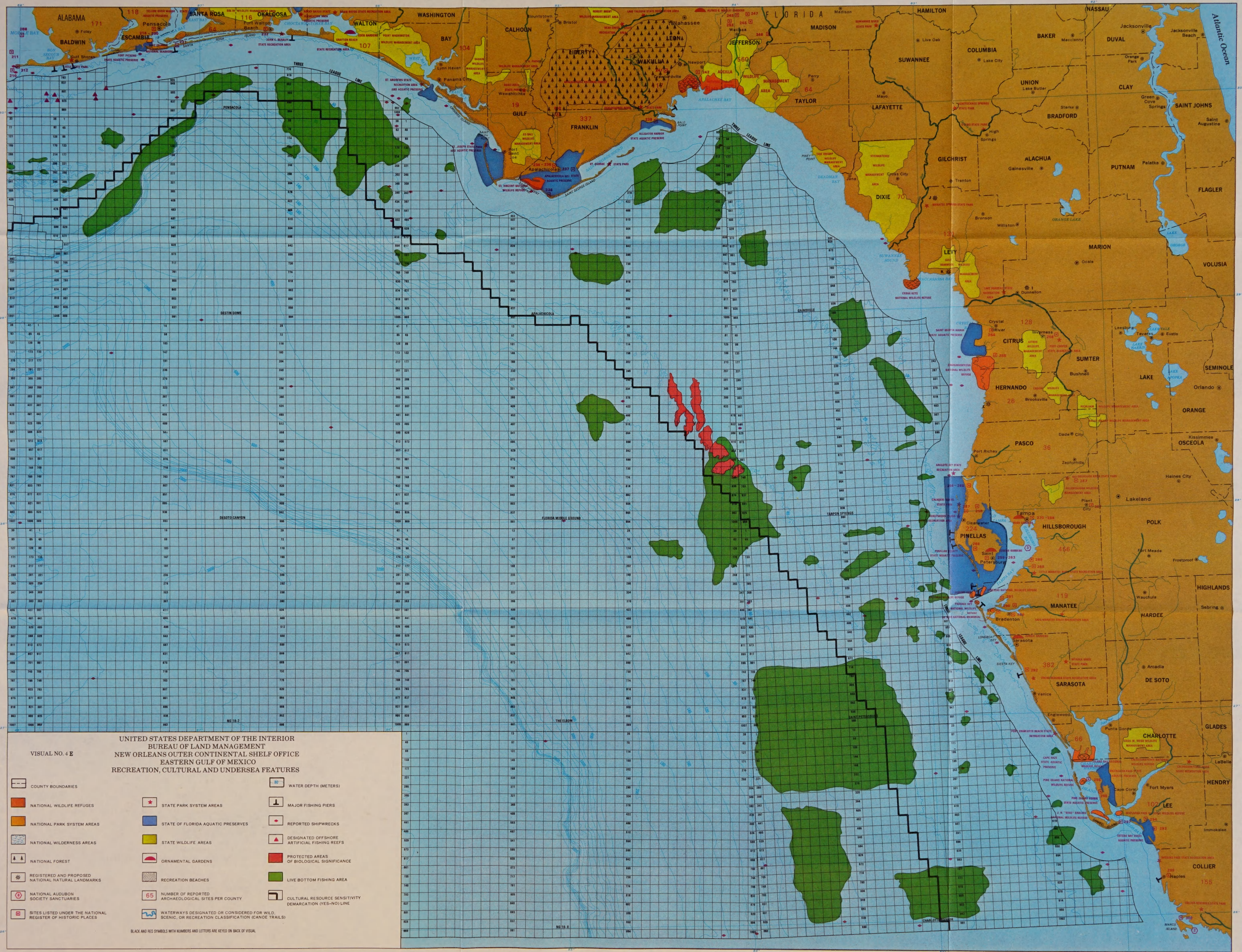
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TD 195.P4 G854 1980 v.2

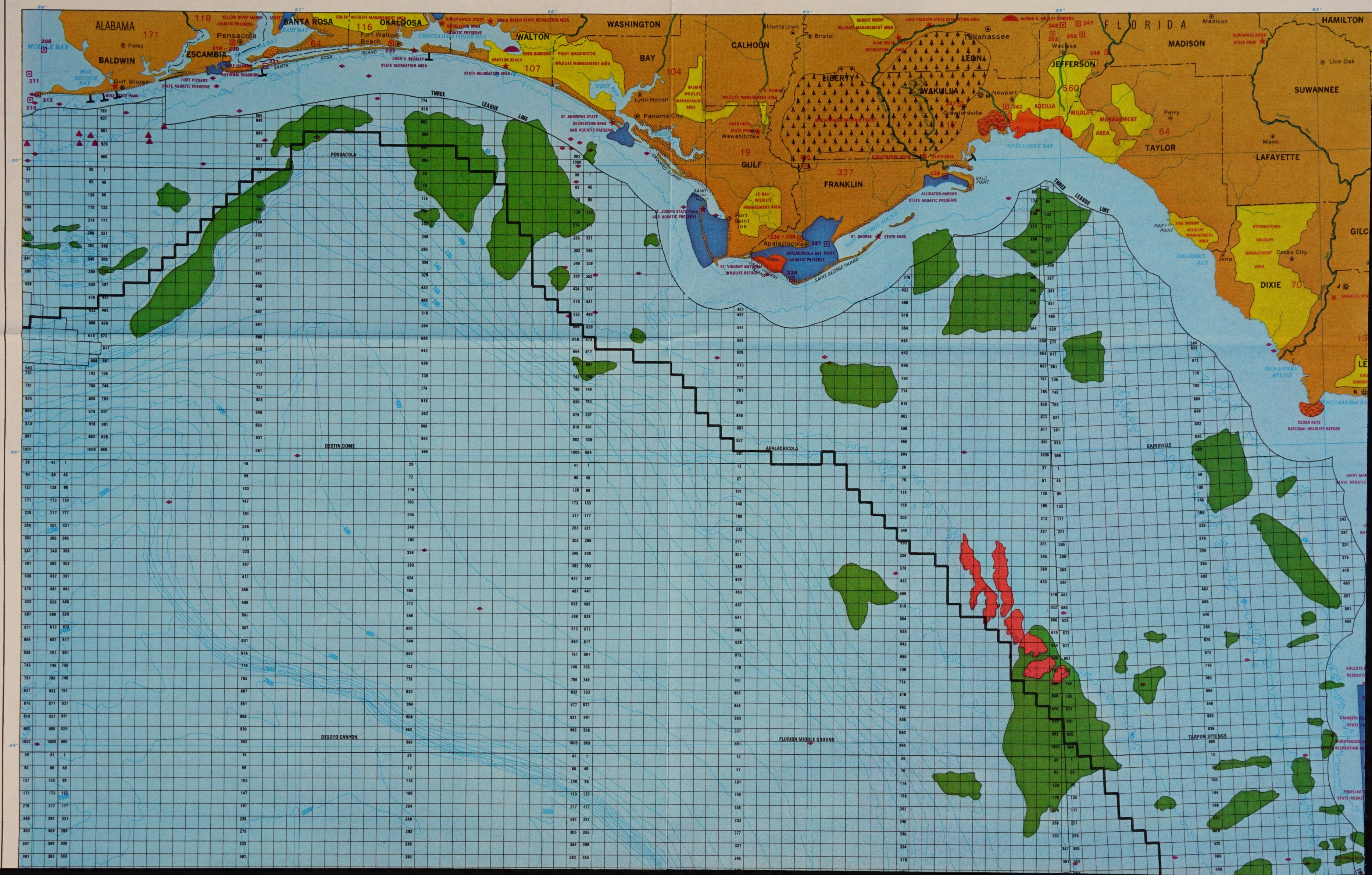








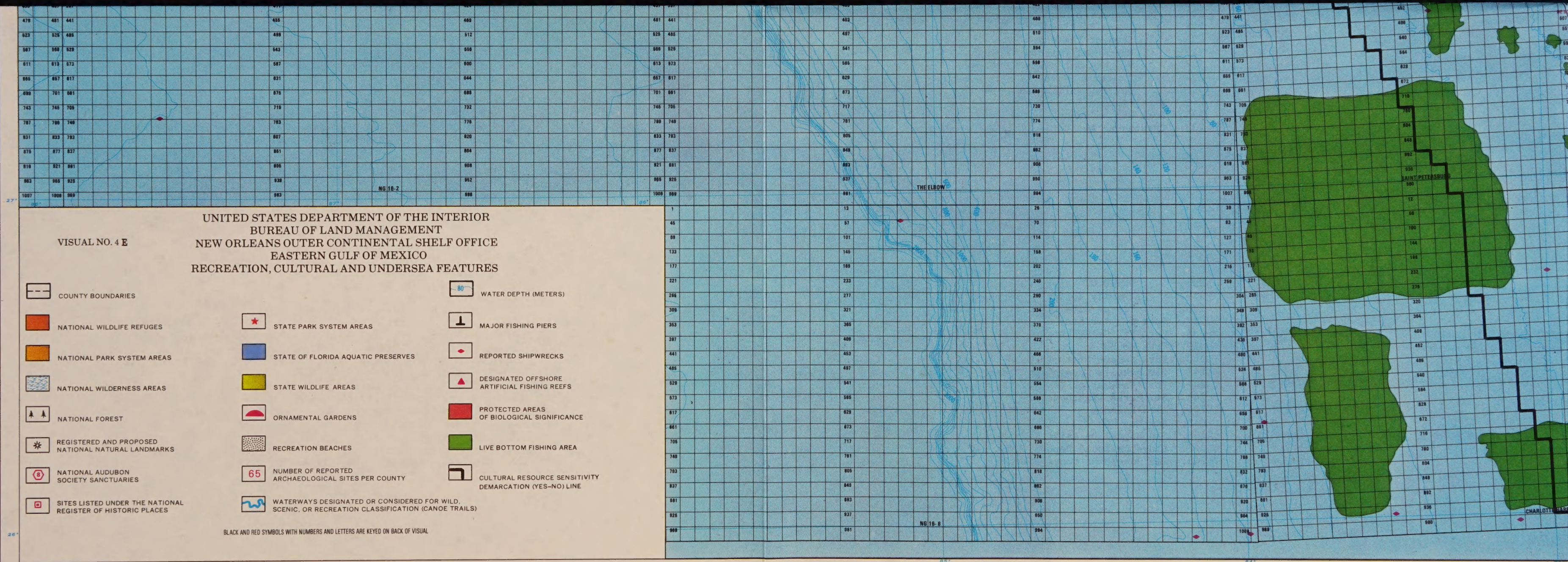












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ID: 88076053

TD195.P4 G854 1980 v.2







REGISTERED AND PROPOSED NATIONAL NATURAL LANDMARKS  
(R) = Registered; (P) = Potential; (E) = Eligible

MISSISSIPPI

- D. Mississippi Sandhill Crane (P)  
E. Pascagoula River Swamp (P)

ALABAMA

- G. Mobile - Tensaw Bottomlands (E) (off map)

FLORIDA

- H. Wakulla Springs (R)  
I. Rainbow Springs (R)  
J. Manatee Springs (R)  
K. Gulf Hammock Area (P)  
L. Wecki Wachee Spring (P)  
M. Big Cypress Bend (R) (off map)  
N. Corkscrew Swamp (R) (off map)  
O. Fakahatchee Strand (P) (off map)

NATIONAL AUDUBON SOCIETY SANCTUARIES

ALABAMA

1. Dauphin Island Sanctuary - 164 acres

FLORIDA

2. Rookery Bay Sanctuary - 3050 acres (nucleus of proposed estuarine sanctuary)  
3. Tampa Bay - 200 acres  
4. Corkscrew Swamp Sanctuary - 11,000 acres (off map)  
5. Big Pine Key - 747 acres (off map)

ALABAMA

178. Fort Louis De La Louisiane (off map)  
179. Ellicott Stone (off map)  
180. Indian Mound Park

Mobile Area (off map)

181. Barton Academy  
182. Battle House Rouale  
183. Bragg - Mitchell House  
184. Brisk & Jacobson Store  
185. Carolina Hall  
186. Church Street East Historic District  
187. De Tonti Square Historic District  
188. Fort Conde - Charlotte  
189. Gates - Davis House  
190. Georgia Cottage  
191. Gulf, Mobile, and Ohio Passenger Terminal  
192. Martin Horst House  
193. Kirkbride House  
194. Mobile City Hall  
195. Mobile City Hospital  
196. Oakleigh  
197. Oakleigh Garden Historic District  
198. Pincus Building  
199. Bishop Portier House  
200. Protestant Children's Home  
201. Raphael Simmes House  
202. South Lafayette Street Creole Cottages  
203. Spring Hill College Quadrangle  
204. St. Louis Street Missionary Baptist Church  
205. U.S. Marine Hospital  
206. Middle Bay Light  
207. Fort Gaines  
208. Nanna Hubba Bluff (off map)  
209. Blakeley (off map)  
210. Sand Island Light  
211. U.S.S. Tecumseh  
212. Fort Morgan  
213. Montrose Historic District (off map)  
214. Bottle Creek Indian Mounds (off map)  
215. Fort Mims Site (off map)

FLORIDA

Pensacola

216. Clara Barkley Dorr House  
217. Fort George Site  
218. Fort San Carlos De Barrancas  
219. L & N Marine Terminal Building  
220. Lavalle House  
221. Old Christ Church  
222. Pensacola Athletic Club  
223. Pensacola Historic District  
224. Pensacola Lighthouse and Keeper's Quarters  
225. Plaza Ferdinand VII  
226. Saenger Theatre  
227. Buccaneer (Virginia)  
228. St. Michael's Creole Benevolent Association Hall  
229. Pensacola Naval Air Station Historic District  
230. Charles William Jones House  
231. Fort Pickens  
232. Fort Walton Mound  
233. Chautauqua Auditorium (off map)

Appalachicola Area

234. David G. Raney House  
235. Trinity Episcopal Church  
236. Pierce Site  
237. Porter's Bar Site  
238. Cape St. George Light  
239. Yent Mound  
240. Fort Gadsen Historic Memorial  
241. Old Wakulla County Courthouse  
242. Fort San Marcos De Apalache  
243. St. Marks Lighthouse  
244. Bird Hammock  
245. Asa May House  
246. San Miguel De Asile Mission Site  
247. Lloyd Railroad Depot  
248. San Joseph De Ocuya Site

Monticello Area (off map)

249. Perkins Opera House  
250. Wirick - Simmons House  
251. Lyndhurst Plantation  
252. Monticello Historic District (N)  
253. San Juan De Aspalaga Site  
254. Crystal River Indian Mounds  
255. Yulee Sugar Mill Ruins  
256. Fort Cooper  
257. Andrews Memorial Chapel  
258. Safety Harbor Site

St. Petersburg Area

259. U.S. Post Office  
260. Weeden Island Site  
261. John C. Williams House  
262. Don Ce Sar Hotel  
263. Fort DeSoto Batteries (N)

Tarpon Springs Area

264. Safford House  
265. Tarpon Springs Sponge Exchange  
266. VA Center (E)  
267. Plant City Union Depot  
268. George Mac Miller House  
269. Cockroach Key

Tampa Area

270. Centro Asturiano  
271. Circulo Cubano de Tampa  
272. El Centro Espanol of West Tampa  
273. El Pasaje  
274. Federal Bldg., U.S. Courthouse, Downtown Postal Station  
275. Johnson - Wolff House  
276. Leiman House  
277. Levick House  
278. North Franklin Street House at No. 1415  
279. Old School House  
280. Stoval House  
281. T. C. Taliaferro House  
282. Tampa Bay Hotel  
283. Tampa City Hall  
284. Union Railroad Station  
285. Ybor City Historic District  
286. Ybor Factory Building  
287. Fort Foster  
288. Manatee County Courthouse  
289. De Soto National Memorial  
290. Robert Gamble House  
291. Madira Bickel Mounds  
292. Osprey Archaeological and Historic Site  
293. Koreshan Unity Historic District  
294. Mound Key  
295. Demere Key  
296. Pineland Site  
297. Sanibel Lighthouse and Keeper's Quarters  
298. Ted Smallwood Store (off map)  
299. Seaboard Coast Line Railroad Depot  
300. Archaeological Sites on Marco Island (E)  
301. Fort Jefferson National Monument (off map)  
302. John Pennekamp Coral Reef State Park and Reserve (off map)  
303. Rock Mound Archaeological Site (off map)

Key West Area (off map)

304. The Armory  
305. Fort Zachary Taylor  
306. Eduardo H. Gato House  
307. Ernest Hemingway House  
308. Key West Historic District  
309. Little White House  
310. Martello Gallery - Key West Art and Historical Museum  
311. Old Post Office and Customhouse  
312. Knights Key Moser Channel - Packet Channel Bridge (E)  
313. Long Key Bridge (E)  
314. Old Bahia Honda Bridge (E)  
315. Dr. Joseph Y. Porter House  
316. U.S. Coast Guard Headquarters, Key West Station  
317. West Martello Tower  
318. San Key Lighthouse  
319. Indian Key (off map)  
320. San Jose Shipwreck Site (off map in OCS)

SITES LISTED UNDER THE NATIONAL REGISTER OF HISTORIC PLACES  
(N) = Nominated; (E) = Eligible

MISSISSIPPI

Pascagoula Area

175. Louisville and Nashville Railroad Depot  
176. Oil Spanish Fort  
177. U.S.S. Cairo



REGISTERED AND PROPOSED NATIONAL NATURAL LANDMARKS  
(R) = Registered; (P) = Potential; (E) = Eligible

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- D. Mississippi Sandhill Crane (P)
- E. Pascagoula River Swamp (P)

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- I. Rainbow Springs (R)
- J. Manatee Springs (R)
- K. Gulf Hammock Area (P)
- L. Wecki Wachee Spring (P)
- M. Big Cypress Bend (R) (off map)
- N. Corkscrew Swamp (R) (off map)
- O. Fakahatchee Strand (P) (off map)

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- 179. Ellicott Stone (off map)
- 180. Indian Mound Park

Mobile Area (off map)

- 181. Barton Academy
- 182. Battle House Rouale
- 183. Bragg - Mitchell House
- 184. Brisk & Jacobson Store
- 185. Carolina Hall
- 186. Church Street East Historic District
- 187. De Tonti Square Historic District
- 188. Fort Conde - Charlotte
- 189. Gates - Davis House
- 190. Georgia Cottage
- 191. Gulf, Mobile, and Ohio Passenger Terminal
- 192. Martin Horst House
- 193. Kirkbride House
- 194. Mobile City Hall
- 195. Mobile City Hospital
- 196. Oakleigh
- 197. Oakleigh Garden Historic District
- 198. Pincus Building
- 199. Bishop Portier House
- 200. Protestant Children's Home
- 201. Raphael Simmes House
- 202. South Lafayette Street Creole Cottages
- 203. Spring Hill College Quadrangle
- 204. St. Louis Street Missionary Baptist Church
- 205. U.S. Marine Hospital
- 206. Middle Bay Light
- 207. Fort Gaines
- 208. Nanna Hubba Bluff (off map)
- 209. Blakeley (off map)
- 210. Sand Island Light
- 211. U.S.S. Tecumseh
- 212. Fort Morgan
- 213. Montrose Historic District (off map)
- 214. Bottle Creek Indian Mounds (off map)
- 215. Fort Mims Site (off map)

FLORIDA

Pensacola

- 216. Clara Barkley Dorr House
- 217. Fort George Site
- 218. Fort San Carlos De Barrancas
- 219. L & N Marine Terminal Building
- 220. Lavallo House
- 221. Old Christ Church
- 222. Pensacola Athletic Club
- 223. Pensacola Historic District



Monticello Area (off map)

- 249. Perkins Opera House
- 250. Wirick - Simmons House
- 251. Lyndhurst Plantation
- 252. Monticello Historic District (N)
- 253. San Juan De Aspalaga Site
- 254. Crystal River Indian Mounds
- 255. Yulee Sugar Mill Ruins
- 256. Fort Cooper
- 257. Andrews Memorial Chapel
- 258. Safety Harbor Site

St. Petersburg Area

- 259. U.S. Post Office
- 260. Weeden Island Site
- 261. John C. Williams House
- 262. Don Ce Sar Hotel
- 263. Fort DeSoto Batteries (N)

Tarpon Springs Area

- 264. Safford House
- 265. Tarpon Springs Sponge Exchange
- 266. VA Center (E)
- 267. Plant City Union Depot
- 268. George Mac Miller House
- 269. Cockroach Key

Tampa Area

- 270. Centro Asturiano
- 271. Circulo Cubano de Tampa
- 272. El Centro Espanol of West Tampa
- 273. El Pasaje
- 274. Federal Bldg., U.S. Courthouse, Downtown Postal Station
- 275. Johnson - Wolff House
- 276. Leiman House
- 277. Levick House
- 278. North Franklin Street House at No. 1415
- 279. Old School House
- 280. Stoval House
- 281. T. C. Taliaferro House
- 282. Tampa Bay Hotel
- 283. Tampa City Hall
- 284. Union Railroad Station
- 285. Ybor City Historic District
- 286. Ybor Factory Building
- 287. Fort Foster
- 288. Manatee County Courthouse
- 289. De Soto National Memorial
- 290. Robert Gamble House
- 291. Madira Bickel Mounds
- 292. Osprey Archaeological and Historic Site



- 223. Pensacola Historic District
- 224. Pensacola Lighthouse and Keeper's Quarters
- 225. Plaza Ferdinand VII
- 226. Saenger Theatre
- 227. Buccaneer (Virginia)
- 228. St. Michael's Creole Benevolent Association Hall
- 229. Pensacola Naval Air Station Historic District
- 230. Charles William Jones House
- 231. Fort Pickens
- 232. Fort Walton Mound
- 233. Chautauqua Auditorium (off map)

#### Appalachicola Area

- 234. David G. Raney House
- 235. Trinity Episcopal Church
- 236. Pierce Site
- 237. Porter's Bar Site
- 238. Cape St. George Light
- 239. Yent Mound
- 240. Fort Gadsen Historic Memorial
- 241. Old Wakulla County Courthouse
- 242. Fort San Marcos De Apalache
- 243. St. Marks Lighthouse
- 244. Bird Hammock
- 245. Asa May House
- 246. San Miguel De Asile Mission Site
- 247. Lloyd Railroad Depot
- 248. San Joseph De Ocuya Site

#### SITES LISTED UNDER THE NATIONAL REGISTER OF HISTORIC PLACES

(N) = Nominated; (E) = Eligible

#### MISSISSIPPI

##### Pascagoula Area

- 175. Louisville and Nashville Railroad Depot
- 176. Oil Spanish Fort
- 177. U.S.S. Cairo

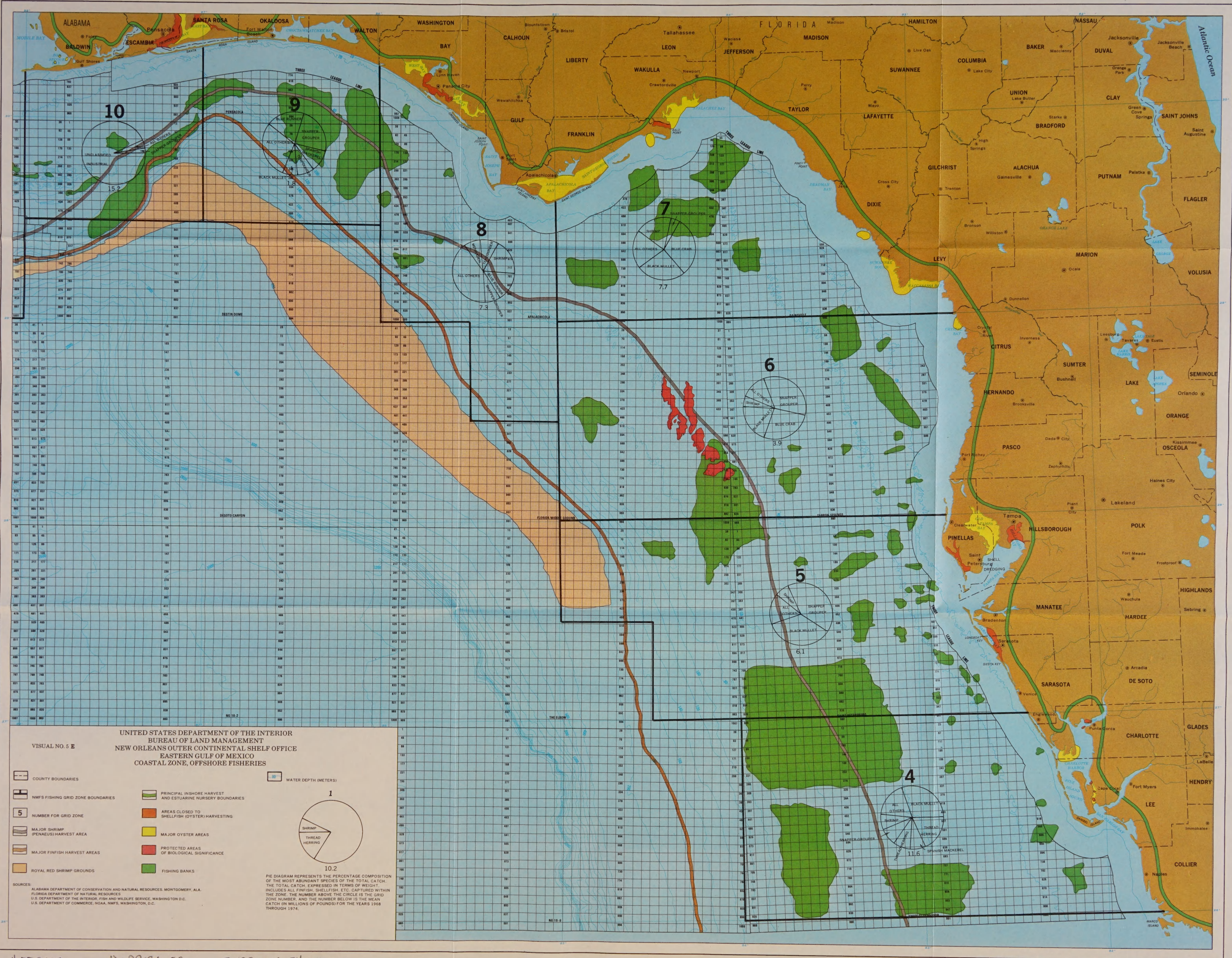


- 293. Koreshan Unity Historic District
- 294. Mound Key
- 295. Demere Key
- 296. Pineland Site
- 297. Sanibel Lighthouse and Keeper's Quarters
- 298. Ted Smallwood Store (off map)
- 299. Seaboard Coast Line Railroad Depot
- 300. Archaeological Sites on Marco Island (E)
- 301. Fort Jefferson National Monument (off map)
- 302. John Pennekamp Coral Reef State Park and Reserve (off map)
- 303. Rock Mound Archaeological Site (off map)

Key West Area (off map)

- 304. The Armory
- 305. Fort Zachary Taylor
- 306. Eduardo H. Gato House
- 307. Ernest Hemingway House
- 308. Key West Historic District
- 309. Little White House
- 310. Martello Gallery - Key West Art and Historical Museum
- 311. Old Post Office and Customhouse
- 312. Knights Key Moser Channel - Packet Channel Bridge (E)
- 313. Long Key Bridge (E)
- 314. Old Bahia Honda Bridge (E)
- 315. Dr. Joseph Y. Porter House
- 316. U.S. Coast Guard Headquarters, Key West Station
- 317. West Martello Tower
- 318. San Key Lighthouse
- 319. Indian Key (off map)
- 320. San Jose Shipwreck Site (off map in OCS)



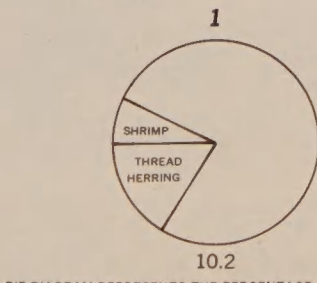


UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
EASTERN GULF OF MEXICO  
COASTAL ZONE, OFFSHORE FISHERIES

VISUAL NO. 5 E

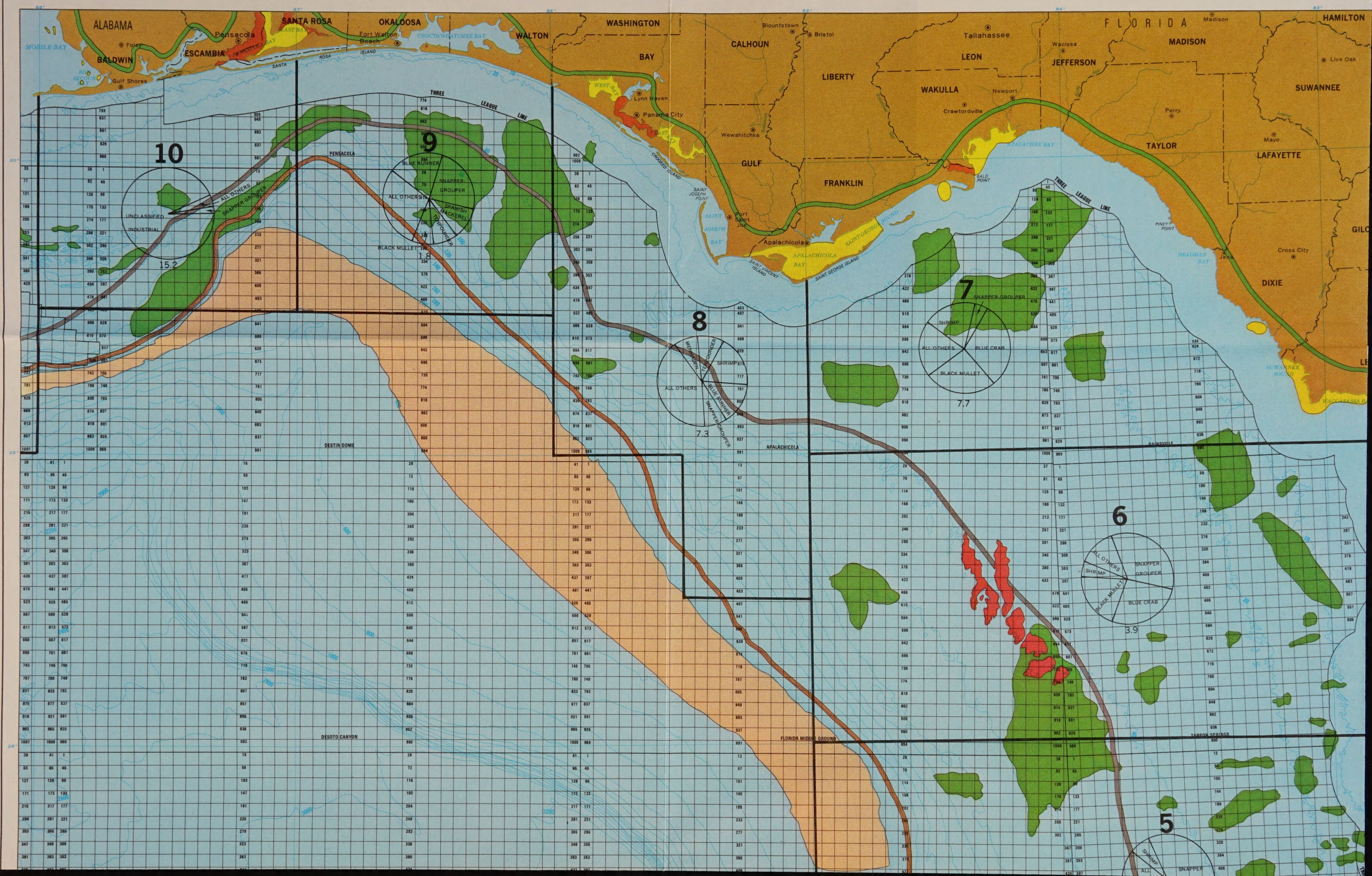
- COUNTY BOUNDARIES
- NMFS FISHING GRID ZONE BOUNDARIES
- 5 NUMBER FOR GRID ZONE
- MAJOR SHRIMP (PENAEUS) HARVEST AREA
- MAJOR FINFISH HARVEST AREAS
- ROYAL RED SHRIMP GROUNDS
- PRINCIPAL INSHORE HARVEST AND ESTUARINE NURSERY BOUNDARIES
- AREAS CLOSED TO SHELLFISH (OYSTER) HARVESTING
- MAJOR OYSTER AREAS
- PROTECTED AREAS OF BIOLOGICAL SIGNIFICANCE
- FISHING BANKS

SOURCES:  
ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES, MONTGOMERY, ALA.  
FLORIDA DEPARTMENT OF NATURAL RESOURCES  
U.S. DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE, WASHINGTON D.C.  
U.S. DEPARTMENT OF COMMERCE, NOAA, NMFS, WASHINGTON, D.C.

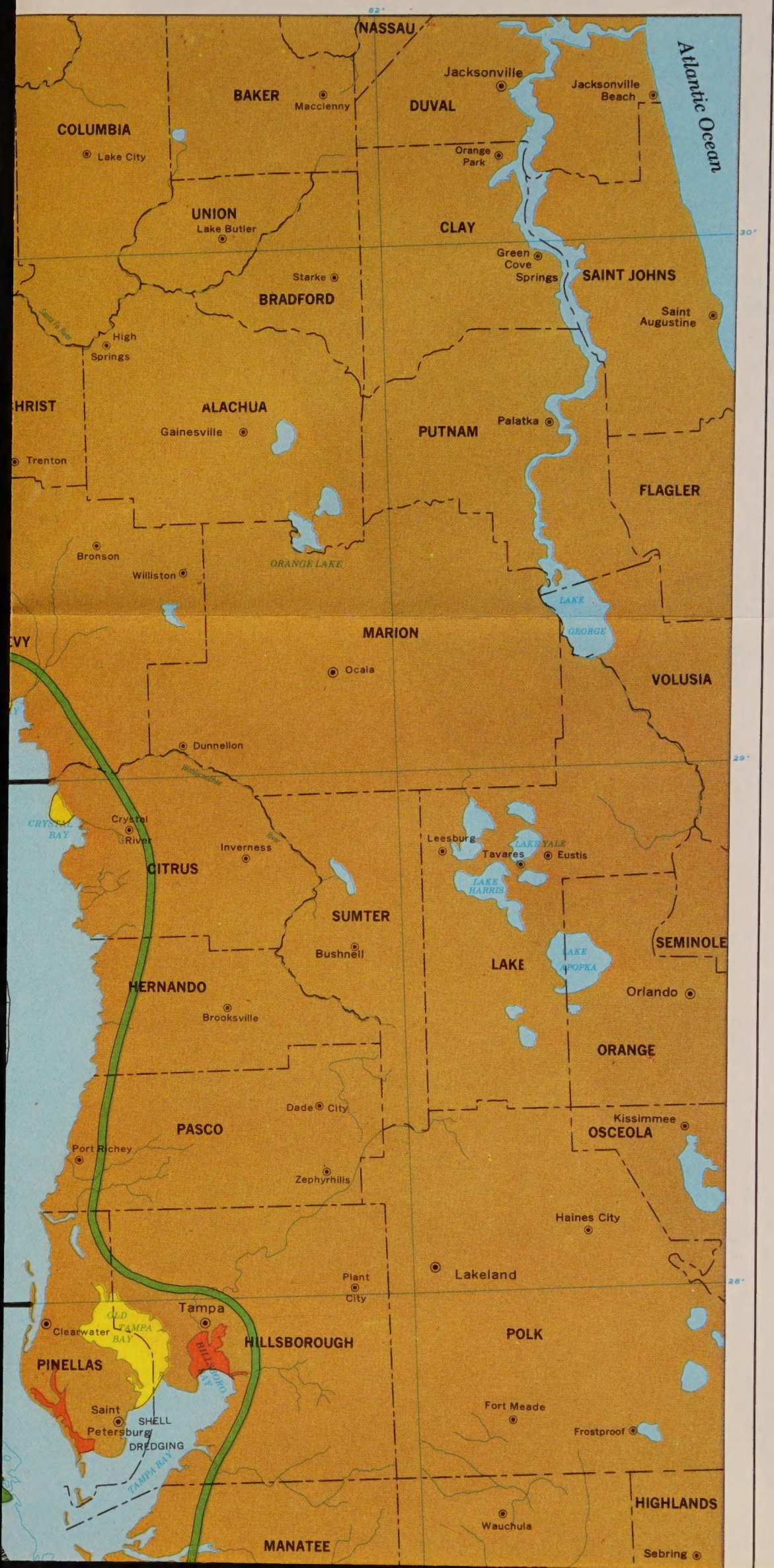


PIE DIAGRAM REPRESENTS THE PERCENTAGE COMPOSITION OF THE TOTAL CATCH, EXPRESSED IN TERMS OF WEIGHT. INCLUDES ALL FINFISH, SHELLFISH, ETC. CAPTURED WITHIN THE ZONE. THE NUMBER ABOVE THE CIRCLE IS THE GRID ZONE NUMBER, AND THE NUMBER BELOW IS THE MEAN CATCH (IN MILLIONS OF POUNDS) FOR THE YEARS 1969 THROUGH 1974.

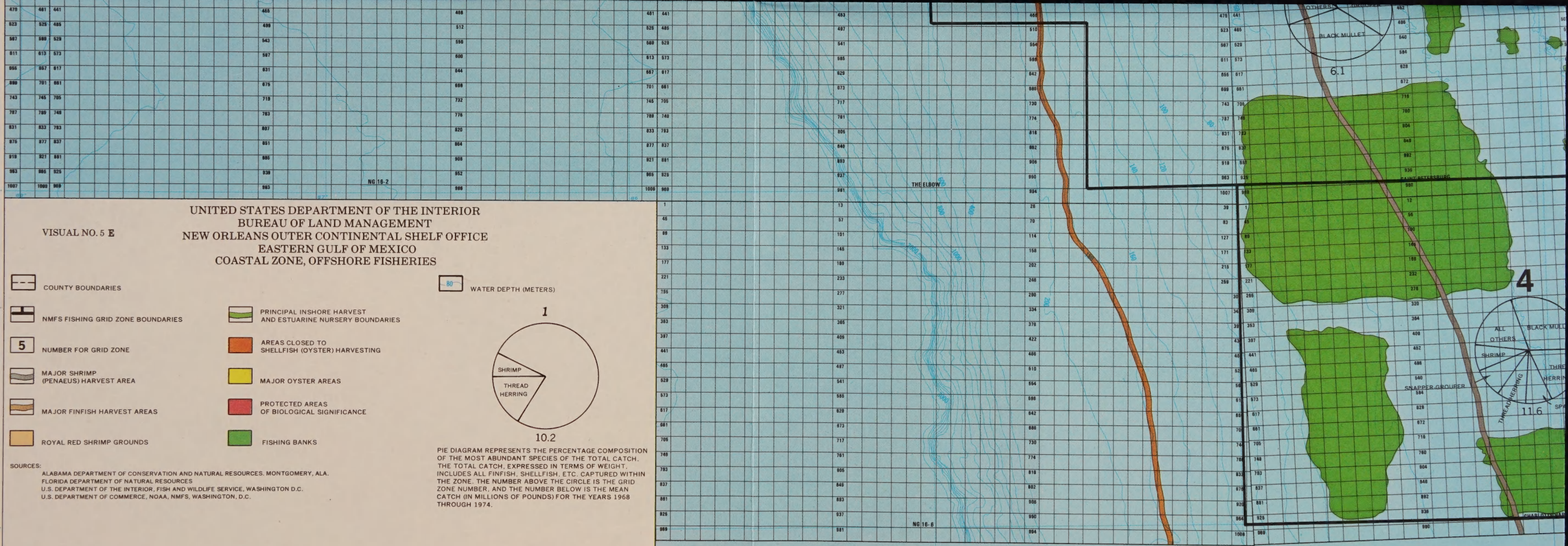










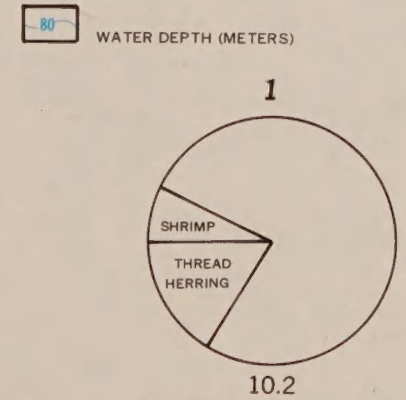


VISUAL NO. 5 E

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
EASTERN GULF OF MEXICO  
COASTAL ZONE, OFFSHORE FISHERIES

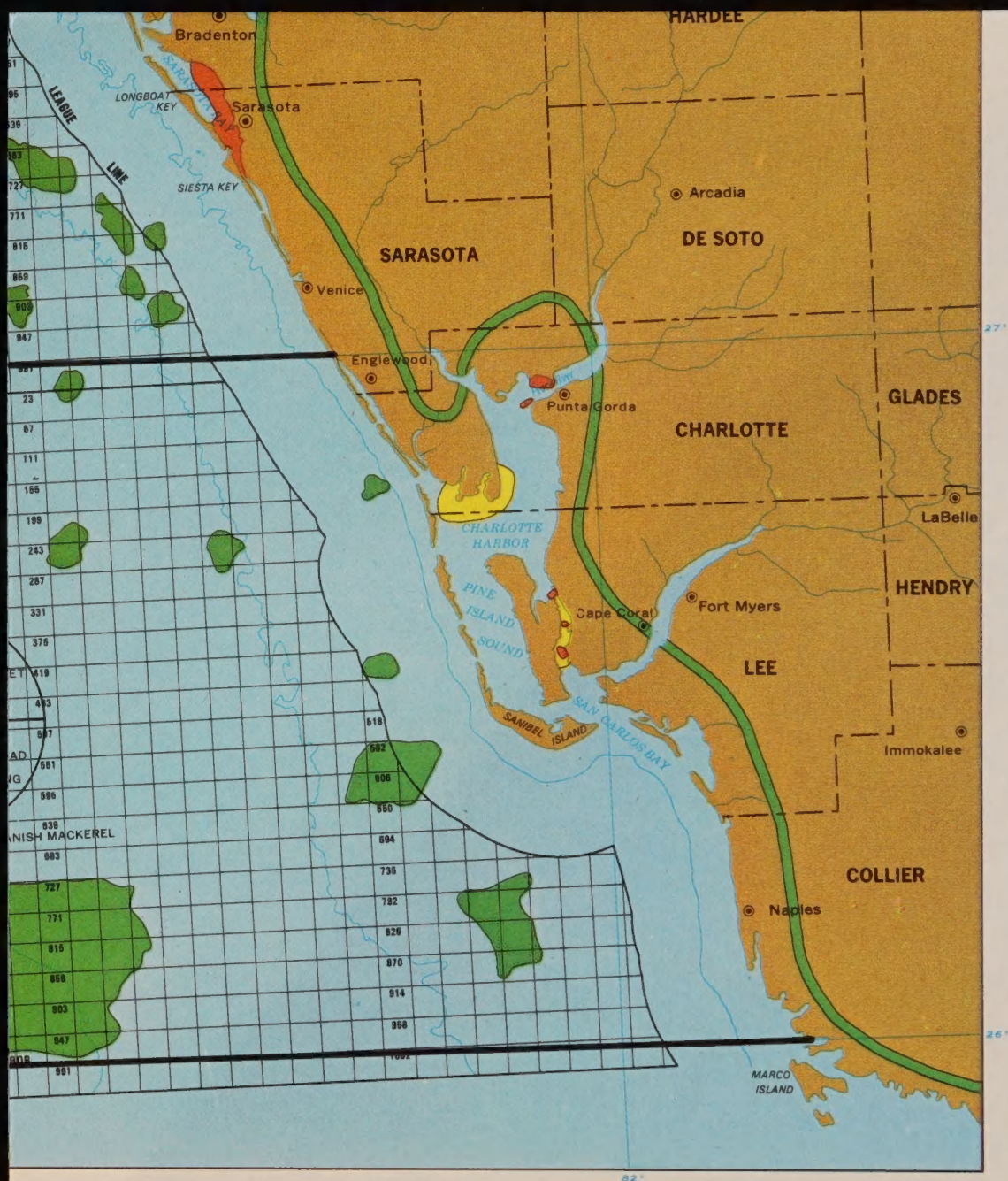
- COUNTY BOUNDARIES
- NMFS FISHING GRID ZONE BOUNDARIES
- 5 NUMBER FOR GRID ZONE
- MAJOR SHRIMP (PENAEUS) HARVEST AREA
- MAJOR FINFISH HARVEST AREAS
- ROYAL RED SHRIMP GROUNDS
- PRINCIPAL INSHORE HARVEST AND ESTUARINE NURSERY BOUNDARIES
- AREAS CLOSED TO SHELLFISH (OYSTER) HARVESTING
- MAJOR OYSTER AREAS
- PROTECTED AREAS OF BIOLOGICAL SIGNIFICANCE
- FISHING BANKS

SOURCES:  
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FLORIDA DEPARTMENT OF NATURAL RESOURCES  
U.S. DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE, WASHINGTON D.C.  
U.S. DEPARTMENT OF COMMERCE, NOAA, NMFS, WASHINGTON, D.C.

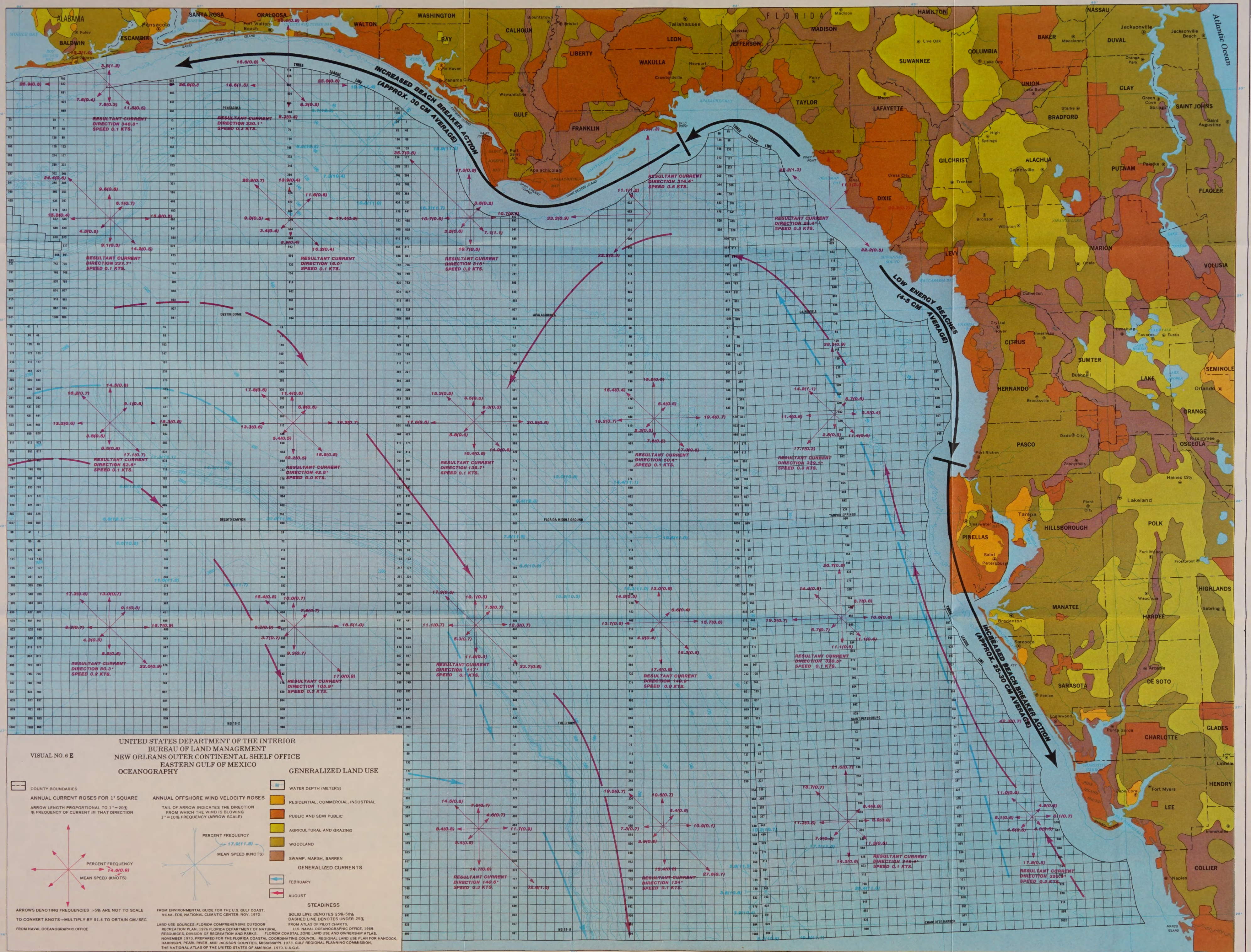


PIE DIAGRAM REPRESENTS THE PERCENTAGE COMPOSITION OF THE MOST ABUNDANT SPECIES OF THE TOTAL CATCH. THE TOTAL CATCH, EXPRESSED IN TERMS OF WEIGHT, INCLUDES ALL FINFISH, SHELLFISH, ETC. CAPTURED WITHIN THE ZONE. THE NUMBER ABOVE THE CIRCLE IS THE GRID ZONE NUMBER, AND THE NUMBER BELOW IS THE MEAN CATCH (IN MILLIONS OF POUNDS) FOR THE YEARS 1968 THROUGH 1974.









UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
OCEANOGRAPHY

VISUAL NO. 6 E

GENERALIZED LAND USE

COUNTY BOUNDARIES

WATER DEPTH (METERS)

ANNUAL CURRENT ROSES FOR 1" SQUARE  
ARROW LENGTH PROPORTIONAL TO 1" = 20%  
% FREQUENCY OF CURRENT IN THAT DIRECTION

ANNUAL OFFSHORE WIND VELOCITY ROSES  
TAIL OF ARROW INDICATES THE DIRECTION  
FROM WHICH THE WIND IS BLOWING  
1" = 10% FREQUENCY (ARROW SCALE)

RESIDENTIAL, COMMERCIAL, INDUSTRIAL  
PUBLIC AND SEMI PUBLIC  
AGRICULTURAL AND GRAZING  
WOODLAND  
SWAMP, MARSH, BARREN

GENERALIZED CURRENTS  
FEBRUARY  
AUGUST

STEADINESS  
SOLID LINE DENOTES 25%  
DASHED LINE DENOTES UNDER 25%  
FROM ATLAS OF PILOT CHARTS,  
U.S. NAVAL OCEANOGRAPHIC OFFICE, 1969

PERCENT FREQUENCY  
MEAN SPEED (KNOTS)

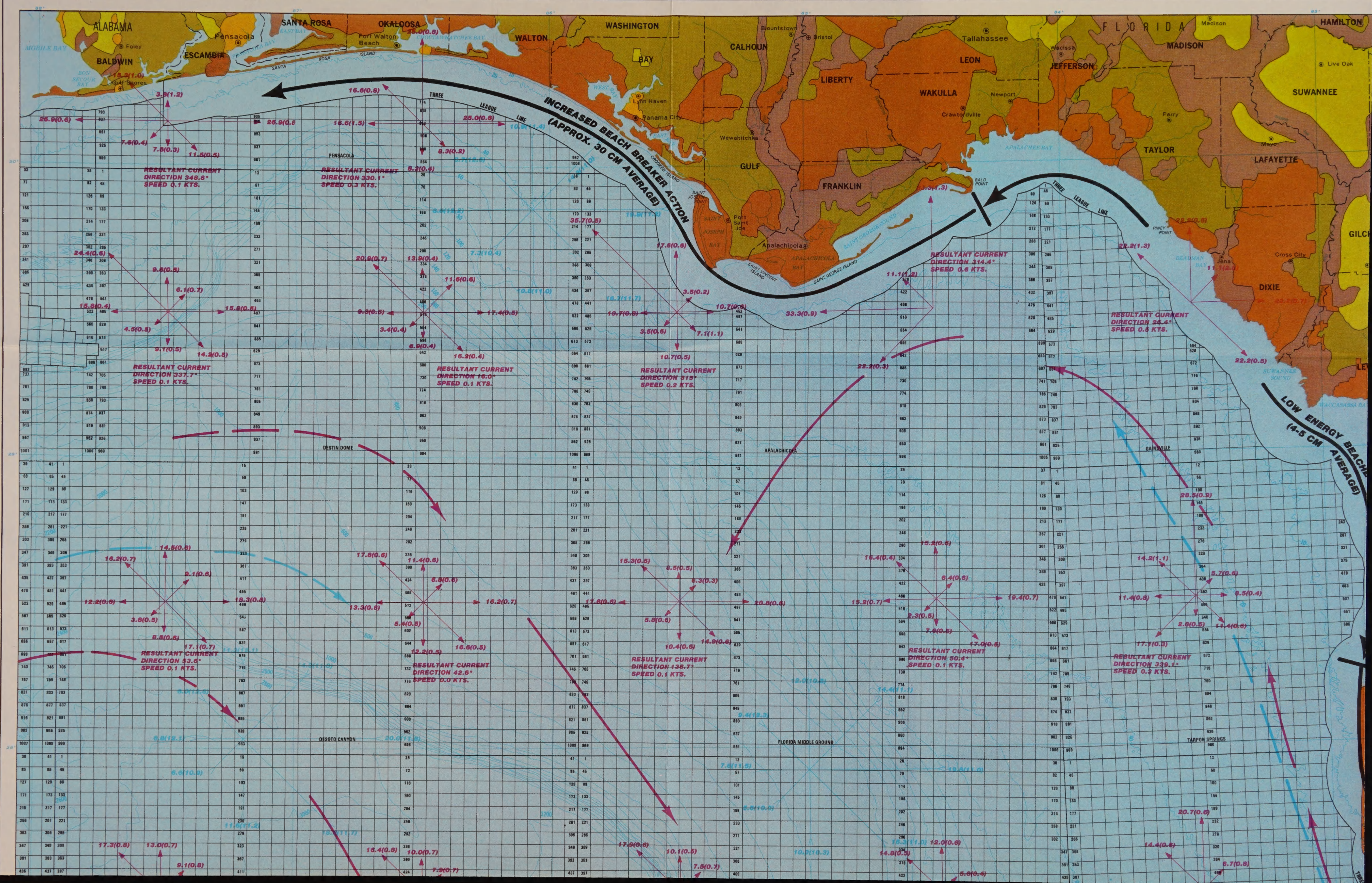
PERCENT FREQUENCY  
MEAN SPEED (KNOTS)

ARROWS DENOTING FREQUENCIES - 5% ARE NOT TO SCALE  
TO CONVERT KNOTS - MULTIPLY BY 51.4 TO OBTAIN CM/SEC  
FROM NAVAL OCEANOGRAPHIC OFFICE

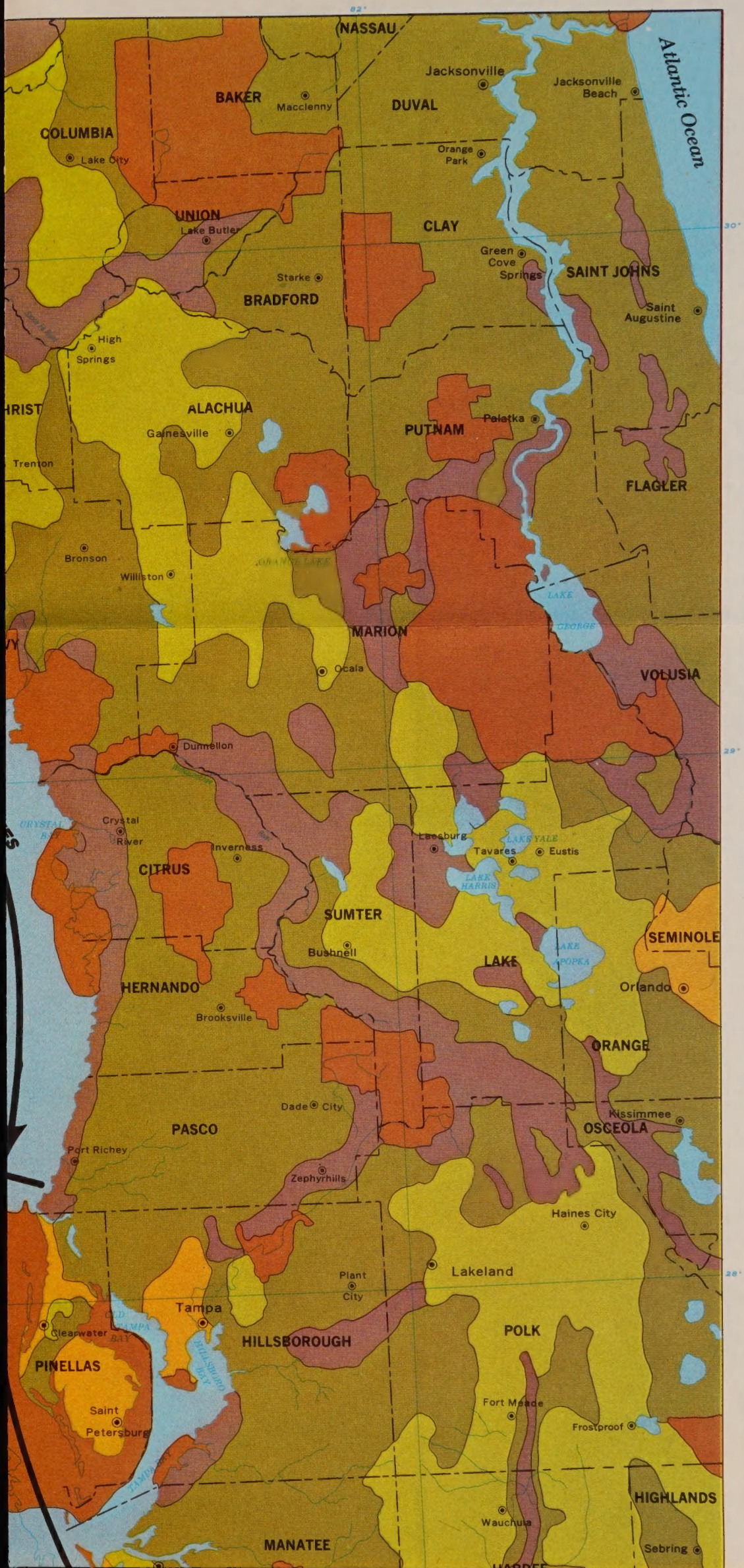
FROM ENVIRONMENTAL GUIDE FOR THE U.S. GULF COAST,  
NOAA, EDS, NATIONAL CLIMATIC CENTER, NOV. 1972

LAND USE SOURCES: FLORIDA COMPREHENSIVE OUTDOOR  
RECREATION PLAN, 1976 FLORIDA DEPARTMENT OF NATURAL  
RESOURCES, DIVISION OF RECREATION AND PARKS. FLORIDA COASTAL ZONE LAND USE AND OWNERSHIP ATLAS,  
NOVEMBER 1970. PREPARED FOR THE FLORIDA COASTAL COORDINATING COUNCIL. REGIONAL LAND USE PLAN FOR HANCOCK,  
HARRISON, PEARL RIVER, AND JACKSON COUNTIES, MISSISSIPPI, 1973. GULF REGIONAL PLANNING COMMISSION,  
THE NATIONAL ATLAS OF THE UNITED STATES OF AMERICA, 1970. U.S.G.S.

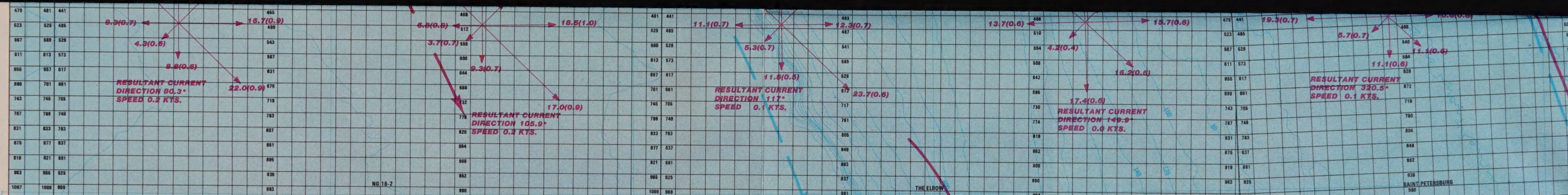






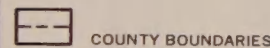






VISUAL NO. 6 E

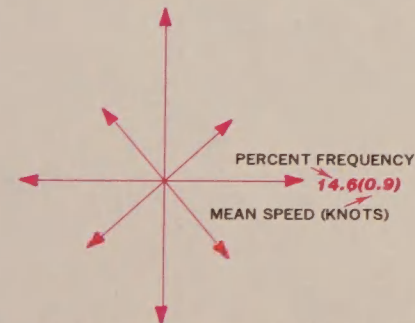
UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
EASTERN GULF OF MEXICO  
OCEANOGRAPHY



COUNTY BOUNDARIES

ANNUAL CURRENT ROSES FOR 1° SQUARE

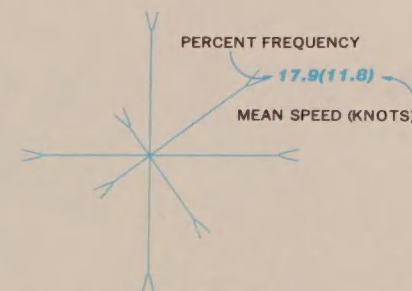
ARROW LENGTH PROPORTIONAL TO 1" = 20%  
% FREQUENCY OF CURRENT IN THAT DIRECTION



ARROWS DENOTING FREQUENCIES >5% ARE NOT TO SCALE  
TO CONVERT KNOTS—MULTIPLY BY 51.4 TO OBTAIN CM/SEC  
FROM NAVAL OCEANOGRAPHIC OFFICE

ANNUAL OFFSHORE WIND VELOCITY ROSES

TAIL OF ARROW INDICATES THE DIRECTION  
FROM WHICH THE WIND IS BLOWING  
1" = 10% FREQUENCY (ARROW SCALE)



FROM ENVIRONMENTAL GUIDE FOR THE U.S. GULF COAST.  
NOAA, EDS, NATIONAL CLIMATIC CENTER, NOV. 1972

LAND USE SOURCES: FLORIDA COMPREHENSIVE OUTDOOR  
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THE NATIONAL ATLAS OF THE UNITED STATES OF AMERICA. 1970. U.S.G.S.

GENERALIZED LAND USE



WATER DEPTH (METERS)



RESIDENTIAL, COMMERCIAL, INDUSTRIAL



PUBLIC AND SEMI PUBLIC



AGRICULTURAL AND GRAZING



WOODLAND



SWAMP, MARSH, BARREN

GENERALIZED CURRENTS



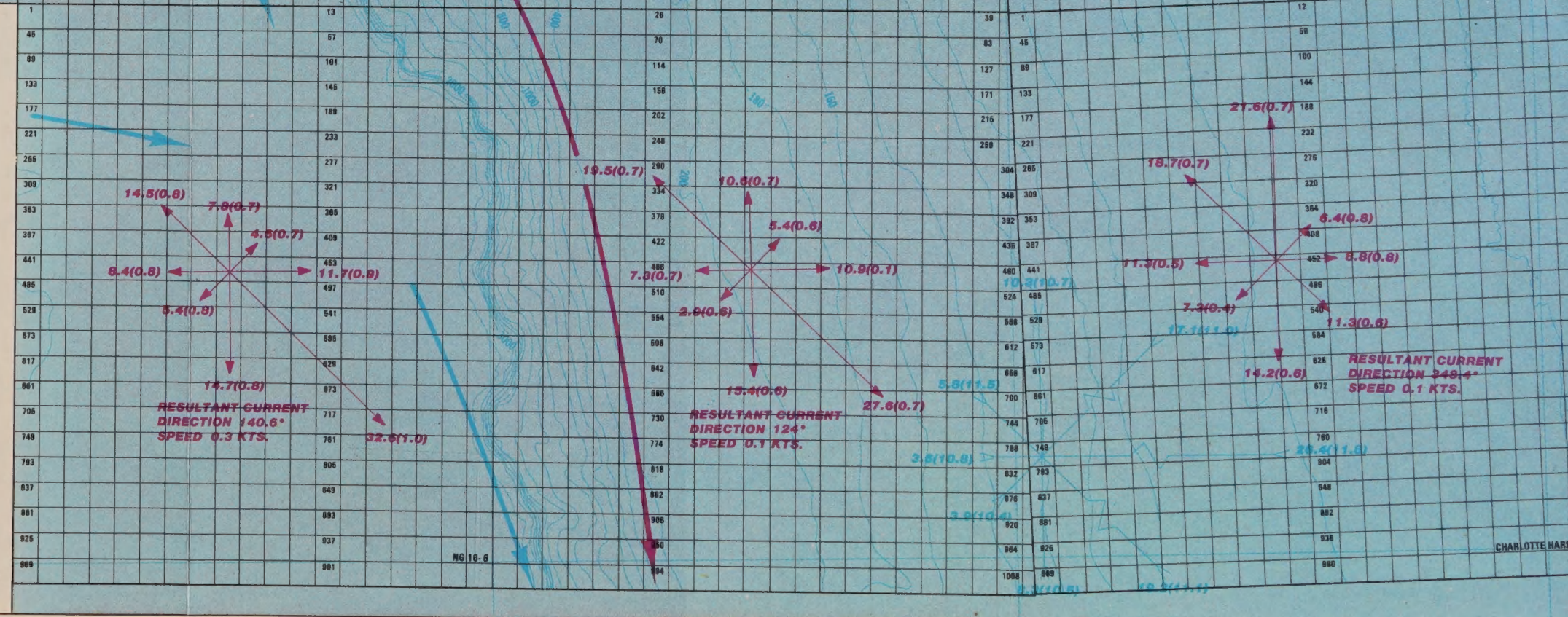
FEBRUARY



AUGUST

STEADINESS

SOLID LINE DENOTES 25%-50%  
DASHED LINE DENOTES UNDER 25%  
FROM ATLAS OF PILOT CHARTS,  
U.S. NAVAL OCEANOGRAPHIC OFFICE, 1969.

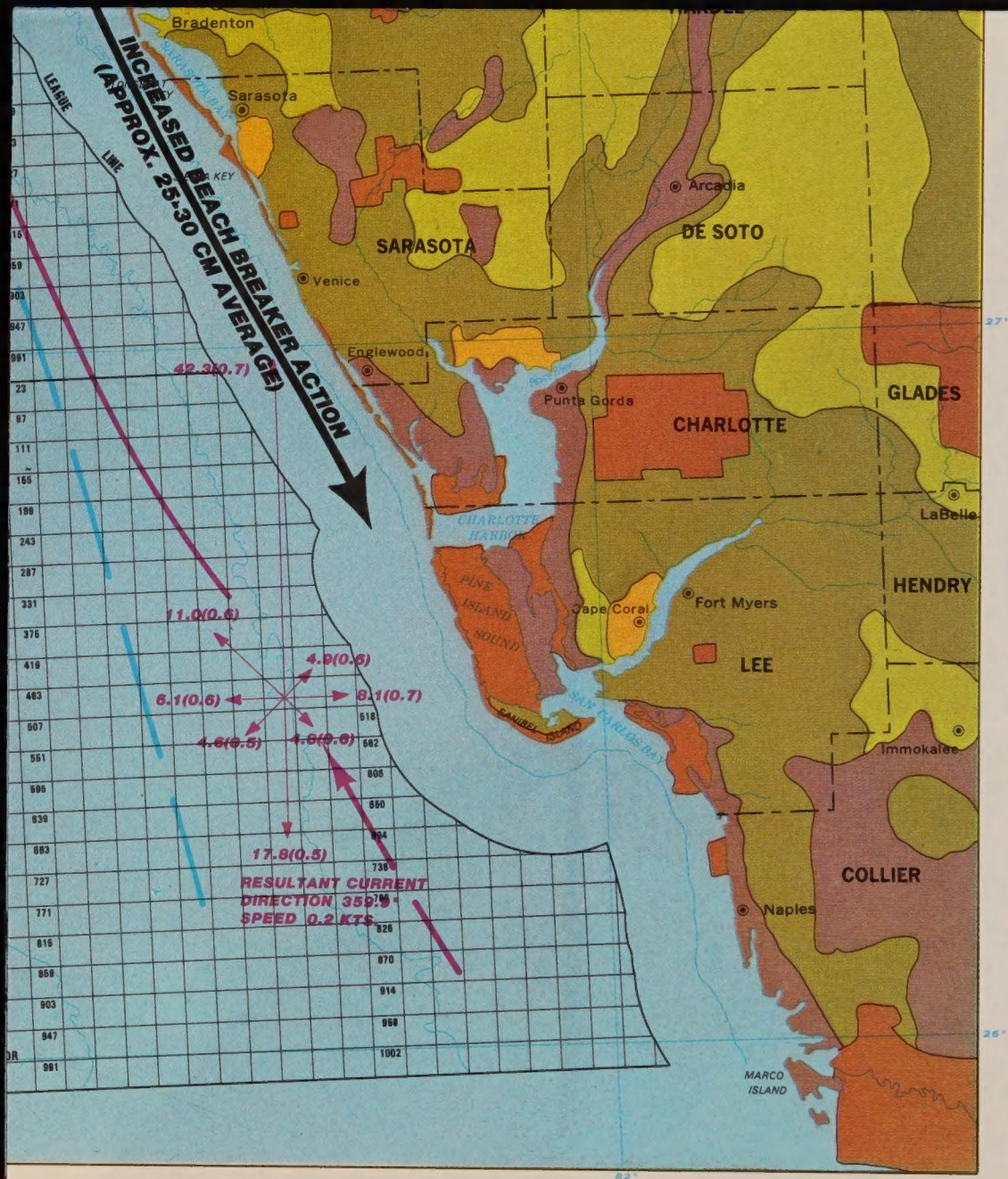


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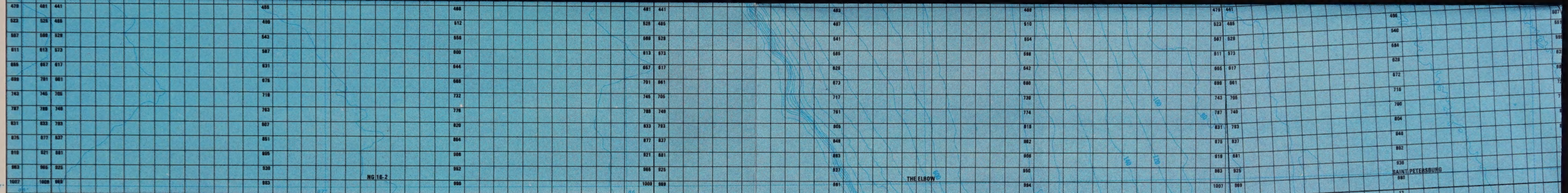























UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE  
EASTERN GULF OF MEXICO  
INFRASTRUCTURE, ACCIDENTS AND UNDERSEA FEATURES

VISUAL NO. 7 E

- |   |   |
|---|---|
|  COUNTY BOUNDARIES                           |  WATER DEPTH (METERS)    |
|  GAS PIPELINES                               |  AIRPORT                 |
|  GAS PROCESSING PLANT                        |  INTERSTATE HIGHWAY      |
|  OIL REFINERY                                |  RAILROAD                |
|  PROTECTED AREAS OF BIOLOGICAL SIGNIFICANCE |  PORT                   |
|   |  INTRACOASTAL WATERWAY |

# 5589197

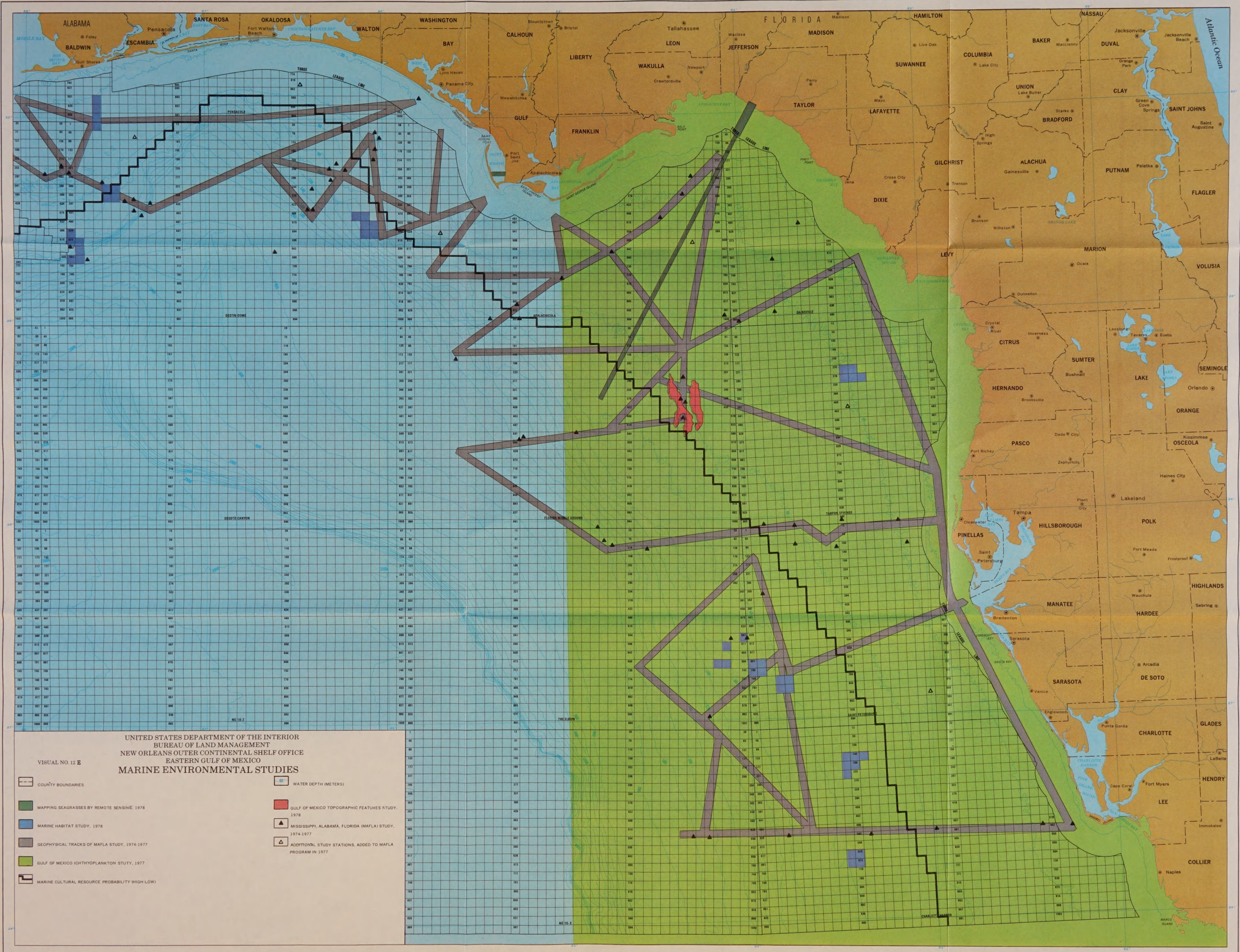
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TD195.P4 G854 1980 v.2







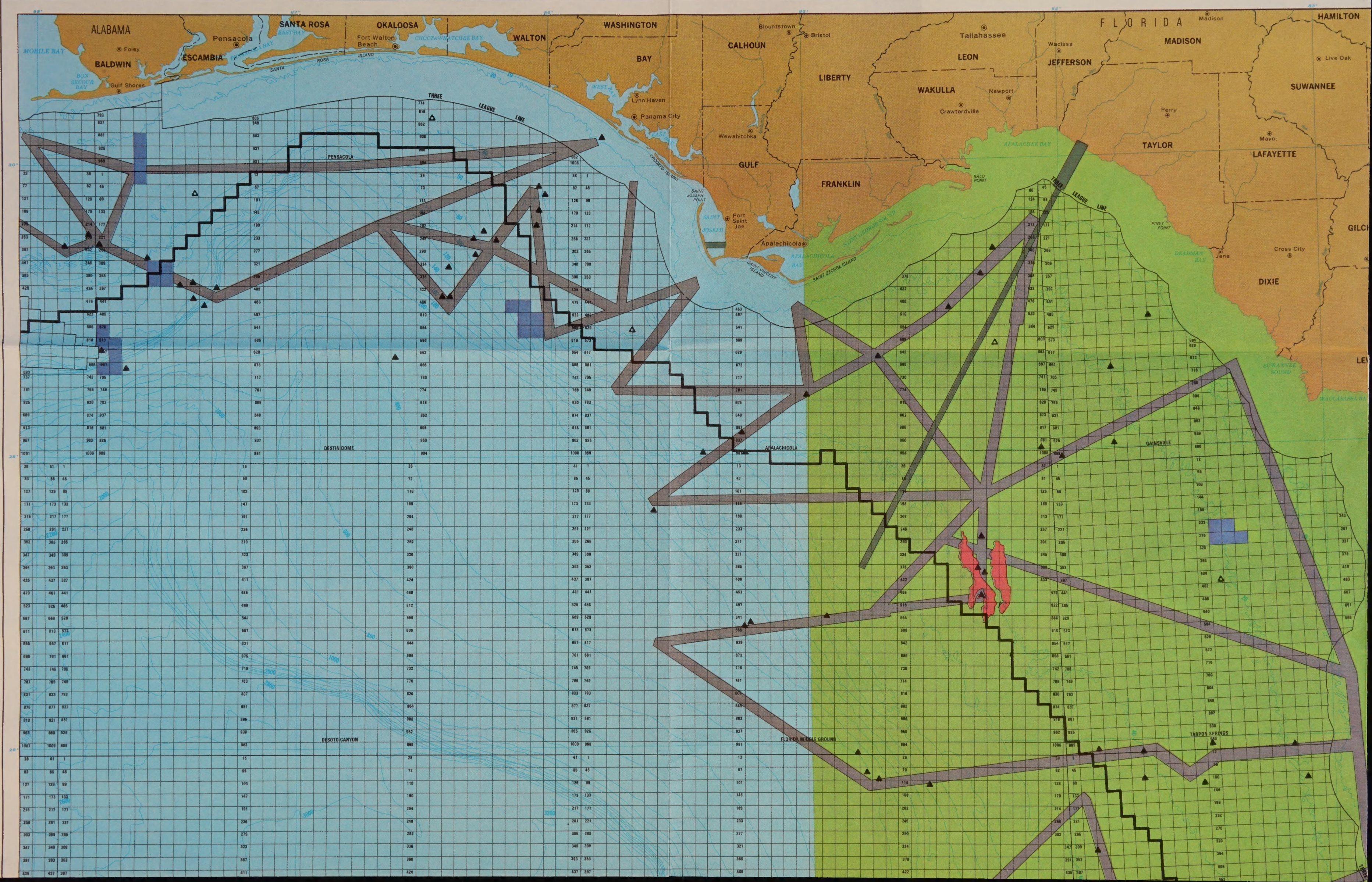


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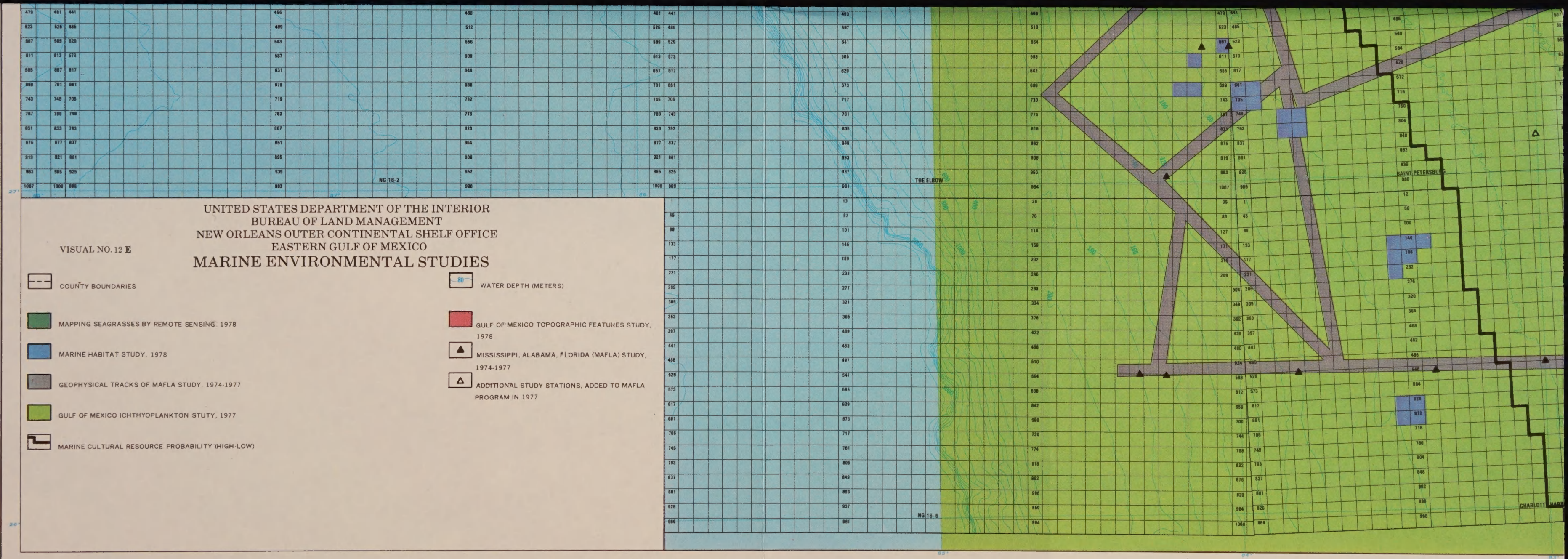










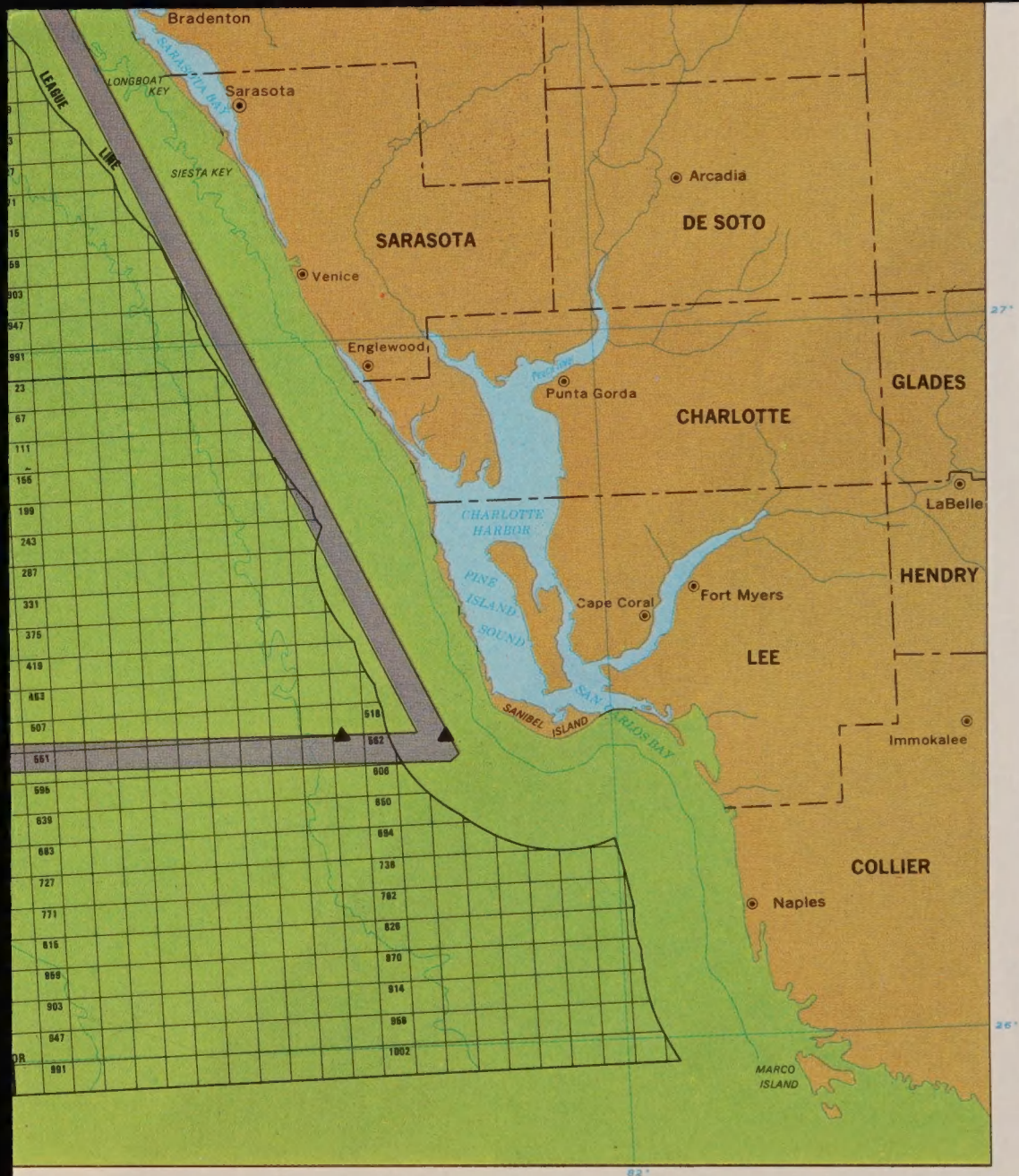


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ID: 88076053

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Library  
Denver Service Center

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